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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.07407 Seconds

(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-6

Perfect score: 40

Sequence: 1 YKGLC 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
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18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	14	US-10-057-890A-6
2	40	100.0	138	14	US-10-057-890A-10
3	40	100.0	157	14	US-10-057-890A-31
4	40	100.0	427	12	US-10-282-122A-54637
5	38	95.0	357	15	US-10-104-047-2570
6	38	95.0	406	15	US-10-094-749-2523
7	38	95.0	519	15	US-10-094-749-1972
8	38	95.0	618	15	US-10-094-749-2479
9	38	95.0	670	15	US-10-108-260A-3103
10	38	95.0	714	15	US-10-108-260A-2908
11	37	92.5	165	12	US-10-425-114-72843
12	37	92.5	193	12	US-10-412-699B-236
13	37	92.5	193	12	US-10-412-699B-1764
14	37	92.5	193	15	US-10-374-780A-1990
15	37	92.5	522	15	US-10-108-260A-2767

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16 799 15 US-10-104-047-2929 Sequence 2929, Ap
17 36 90.0 3067 10 US-09-949-029-18 Sequence 18, Appl
18 35 87.5 139 12 US-10-424-599-185267 Sequence 185267,
19 35 87.5 250 9 US-09-867-550-760 Sequence 760, App
20 35 87.5 316 9 US-09-800-729-196 Sequence 196, App
21 35 87.5 316 9 US-09-764-864-967 Sequence 967, App
22 35 87.5 402 12 US-10-425-114-38575 Sequence 38575, A
23 35 87.5 402 12 US-10-221-625-36 Sequence 36, Appl
24 35 87.5 408 12 US-10-425-114-56314 Sequence 56314, A
25 34 85.0 23 9 US-09-785-632A-39 Sequence 39, Appl
26 34 85.0 23 14 US-10-223-765-39 Sequence 39, Appl
27 34 85.0 23 14 US-10-314-669-88 Sequence 88, Appl
28 34 85.0 94 12 US-10-424-599-248556 Sequence 248556,
29 34 85.0 308 9 US-09-764-864-927 Sequence 927, App
30 34 85.0 309 9 US-09-764-864-1366 Sequence 1366, Ap
31 34 85.0 327 15 US-10-108-260A-3050 Sequence 3050, Ap
32 34 85.0 366 10 US-09-949-029-36 Sequence 96, Appl
33 34 85.0 378 14 US-10-314-669-18 Sequence 18, Appl
34 34 85.0 405 12 US-10-425-114-60543 Sequence 60543, A
35 34 85.0 408 12 US-10-425-114-64193 Sequence 64193, A
36 34 85.0 418 12 US-10-425-114-58386 Sequence 58386, A
37 34 85.0 423 12 US-10-425-114-65227 Sequence 65227, A
38 34 85.0 432 12 US-10-425-114-66035 Sequence 66035, A
39 34 85.0 530 10 US-09-372-348-11 Sequence 11, Appl
40 34 85.0 559 12 US-10-425-114-62755 Sequence 62755, A
41 34 85.0 568 12 US-10-424-599-210610 Sequence 210610,
42 34 85.0 600 9 US-09-764-864-957 Sequence 957, App
43 34 85.0 683 15 US-10-104-047-2973 Sequence 2973, Ap
44 34 85.0 781 15 US-10-104-047-2937 Sequence 2937, Ap
45 34 85.0 1323 9 US-09-801-368-34 Sequence 34, Appl

```

#### ALIGNMENTS

#### RESULT 1

```

US-10-057-890A-6
; Sequence 6, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy
; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an
; TITLE OF INVENTION: of Using the Same.
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057.890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR FILING DATE: 2001-01-31
; PRIOR FILING DATE: 2001-01-31
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 6
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-6

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Query Match 100.0%; Score 40; DB 14; Length 6;

Best Local Similarity 100.0%; Pred. No. 9.5e+05; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 1 YKGLC 6

Db 1 YKGLC 6

#### RESULT 2

```

US-10-057-890A-10
; Sequence 10, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy

```

```

; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and
; FILE OF INVENTION: of Using the Same.
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 10
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-10

Query Match      100.0%; Score 40; DB 14; Length 138;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      |||||
Db      31 YKCGLC 36

RESULT 3
US-10-057-890A-31
; Sequence 31, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and
; FILE OF INVENTION: of Using the Same.
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 31
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-31

Query Match      100.0%; Score 40; DB 14; Length 157;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      |||||
Db      50 YKCGLC 55

RESULT 4
US-10-282-122A-54637
; Sequence 54637, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert

```

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; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54637
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
US-10-282-122A-54637

Query Match      100.0%; Score 40; DB 12; Length 427;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      |||||
Db      86 YKCGLC 91

RESULT 5
US-10-104-047-2570
; Sequence 2570, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2570
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2570

Query Match      95.0%; Score 38; DB 15; Length 357;
Best Local Similarity 83.3%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      |||||
Db      334 YKCGLC 339

```

## RESULT 6

US-10-094-749-2523  
 ; Sequence 2523, Application US/10094749  
 ; Publication No. US20030219741A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: WAKAMATSU, AI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUUKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: OTSUKA, KAORU  
 ; APPLICANT: NAGAI, KEIICHI  
 ; APPLICANT: IRIE, RYOTARO  
 ; APPLICANT: TAMECHIKA, ICHIRO  
 ; APPLICANT: SEKI, NAOHICO  
 ; APPLICANT: YOSHIKAWA, TSUTOMU  
 ; APPLICANT: OTSUKA, MOTYUKI  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: MASUHO, YASUHIKO  
 ; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA  
 ; FILE REFERENCE: 084335/0160  
 ; CURRENT APPLICATION NUMBER: US/10/094,749  
 ; CURRENT FILING DATE: 2002-03-12  
 ; PRIOR APPLICATION NUMBER: 60/350,435  
 ; PRIOR FILING DATE: 2002-01-24  
 ; PRIOR APPLICATION NUMBER: JP 2001-328381  
 ; PRIOR FILING DATE: 2001-09-14  
 ; NUMBER OF SEQ ID NOS: 3381  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2523  
 ; LENGTH: 406  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-094-749-2523

Query Match 95.0%; Score 38; DB 15; Length 406;  
 Best Local Similarity 83.3%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKGLC 6  
 |||||  
 DB 383 YKGCIC 388

## RESULT 7

US-10-094-749-1972  
 ; Sequence 1972, Application US/10094749  
 ; Publication No. US20030219741A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: WAKAMATSU, AI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUUKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: OTSUKA, KAORU  
 ; APPLICANT: NAGAI, KEIICHI  
 ; APPLICANT: IRIE, RYOTARO  
 ; APPLICANT: TAMECHIKA, ICHIRO  
 ; APPLICANT: SEKI, NAOHICO  
 ; APPLICANT: YOSHIKAWA, TSUTOMU  
 ; APPLICANT: OTSUKA, MOTYUKI  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: MASUHO, YASUHIKO  
 ; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA  
 ; FILE REFERENCE: 084335/0160

; CURRENT APPLICATION NUMBER: US/10/094,749  
 ; CURRENT FILING DATE: 2002-03-12  
 ; PRIOR APPLICATION NUMBER: 60/350,435  
 ; PRIOR FILING DATE: 2002-01-24  
 ; PRIOR APPLICATION NUMBER: JP 2001-328381  
 ; PRIOR FILING DATE: 2001-09-14  
 ; NUMBER OF SEQ ID NOS: 3381  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1972  
 ; LENGTH: 519  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-094-749-1972

Query Match 95.0%; Score 38; DB 15; Length 519;  
 Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKGLC 6  
 |||||  
 DB 435 YKGCIC 440

## RESULT 8

US-10-094-749-2479  
 ; Sequence 2479, Application US/10094749  
 ; Publication No. US20030219741A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: WAKAMATSU, AI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUUKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: OTSUKA, KAORU  
 ; APPLICANT: NAGAI, KEIICHI  
 ; APPLICANT: IRIE, RYOTARO  
 ; APPLICANT: TAMECHIKA, ICHIRO  
 ; APPLICANT: SEKI, NAOHICO  
 ; APPLICANT: YOSHIKAWA, TSUTOMU  
 ; APPLICANT: OTSUKA, MOTYUKI  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: MASUHO, YASUHIKO  
 ; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA  
 ; FILE REFERENCE: 084335/0160  
 ; CURRENT APPLICATION NUMBER: US/10/094,749  
 ; CURRENT FILING DATE: 2002-03-12  
 ; PRIOR APPLICATION NUMBER: 60/350,435  
 ; PRIOR FILING DATE: 2002-01-24  
 ; PRIOR APPLICATION NUMBER: JP 2001-328381  
 ; PRIOR FILING DATE: 2001-09-14  
 ; NUMBER OF SEQ ID NOS: 3381  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2479  
 ; LENGTH: 618  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-094-749-2479

Query Match 95.0%; Score 38; DB 15; Length 618;  
 Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKGLC 6  
 |||||  
 DB 220 YKGCIC 225

## RESULT 9

US-10-108-260A-3103

; Sequence 3103, Application US/10108260A  
 ; Publication No. US20040005560A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HELIX RESEARCH INSTITUTE  
 ; TITLE OF INVENTION: No. US20040005560A1el full length cDNA  
 ; FILE REFERENCE: H1-A0106  
 ; CURRENT APPLICATION NUMBER: US/10/108,260A  
 ; CURRENT FILING DATE: 2002-03-27  
 ; NUMBER OF SEQ ID NOS: 5458  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 3103  
 ; LENGTH: 670  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-108-260A-3103

Query Match 95.0%; Score 38; DB 15; Length 670;  
 Best Local Similarity 83.3%; Pred. No. 1.9e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
 |||||:  
 Db 620 YKCGMC 625

RESULT 10  
 US-10-108-260A-2908  
 ; Sequence 2908, Application US/10108260A  
 ; Publication No. US20040005560A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HELIX RESEARCH INSTITUTE  
 ; TITLE OF INVENTION: No. US20040005560A1el full length cDNA  
 ; FILE REFERENCE: H1-A0106  
 ; CURRENT APPLICATION NUMBER: US/10/108,260A  
 ; CURRENT FILING DATE: 2002-03-27  
 ; NUMBER OF SEQ ID NOS: 5458  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2908  
 ; LENGTH: 714  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-108-260A-2908

Query Match 95.0%; Score 38; DB 15; Length 714;  
 Best Local Similarity 83.3%; Pred. No. 2e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
 |||||:  
 Db 691 YKCGIC 696

RESULT 11  
 US-10-425-114-72843  
 ; Sequence 72843, Application US/10425114  
 ; Publication No. US20040034888A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Liu, Jingdong  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Screen, Steven E.  
 ; APPLICANT: Tabaska, Jack E.  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
 ; FILE REFERENCE: 38-21(5313)B  
 ; CURRENT APPLICATION NUMBER: US/10/425,114  
 ; CURRENT FILING DATE: 2003-04-28  
 ; NUMBER OF SEQ ID NOS: 73128  
 ; SEQ ID NO 72843  
 ; LENGTH: 165  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana

; FEATURE:  
 ; OTHER INFORMATION: Clone ID: JC-ATXP89C245B19T7060\_FLI.pcp  
 ; US-10-425-114-72843

Query Match 92.5%; Score 37; DB 12; Length 165;  
 Best Local Similarity 83.3%; Pred. No. 86;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
 |||||:  
 Db 47 YKCGVC 52

RESULT 12  
 US-10-412-6998-236  
 ; Sequence 236, Application US/104126998  
 ; Publication No. US20040045049A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mendel Biotechnology, Inc.  
 ; APPLICANT: Zhang, James  
 ; APPLICANT: Fromm, Michael E.  
 ; APPLICANT: Heard, Jacqueline E.  
 ; APPLICANT: Riechmann, Jose Luis  
 ; APPLICANT: Adam, Luc J.  
 ; APPLICANT: Broun, Pierre E.  
 ; APPLICANT: Pineda, Omaira  
 ; APPLICANT: Reuber, T. Lynne  
 ; APPLICANT: Keddie, James S.  
 ; APPLICANT: Yu, Guo-Liang  
 ; APPLICANT: Jiang, Cai-Zhong  
 ; APPLICANT: Samaha, Raymond R.  
 ; APPLICANT: Pilgrim, Marsha L.  
 ; APPLICANT: Creelman, Robert A.  
 ; APPLICANT: DuBell, Arnold N.  
 ; APPLICANT: Ratcliffe, Oliver  
 ; APPLICANT: Sherman, Bradley K.  
 ; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants  
 ; FILE REFERENCE: MBI-0048CIP  
 ; CURRENT APPLICATION NUMBER: US/10/412,699B  
 ; CURRENT FILING DATE: 2003-04-10  
 ; PRIOR APPLICATION NUMBER: 09/394,519  
 ; PRIOR FILING DATE: 1999-09-13  
 ; PRIOR APPLICATION NUMBER: 09/489,376  
 ; PRIOR FILING DATE: 2000-01-21  
 ; PRIOR APPLICATION NUMBER: 09/506,720  
 ; PRIOR FILING DATE: 2000-02-17  
 ; PRIOR APPLICATION NUMBER: 09/533,030  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: 09/533,392  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: 09/533,029  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: 09/532,591  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: 09/533,648  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: 09/713,394  
 ; PRIOR FILING DATE: 2000-11-16  
 ; PRIOR APPLICATION NUMBER: 09/819,142  
 ; PRIOR FILING DATE: 2001-03-27  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 2011  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 236  
 ; LENGTH: 193  
 ; TYPE: PRT  
 ; ORGANISM: Arabidopsis thaliana  
 ; FEATURE:  
 ; OTHER INFORMATION: G351  
 ; US-10-412-6998-236

Query Match 92.5%; Score 37; DB 12; Length 193;



Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGLC 6  
Db 75 YKCGVC 80

## RESULT 13

US-10-412-699B-1764  
; Sequence 1764, Application US/10412699B  
; Publication No. US20040045049A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT: Zhang, James  
; APPLICANT: Fromm, Michael E.  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James S.  
; APPLICANT: Yu, Guo-liang  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Samaha, Raymond R.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Creelman, Robert A.  
; APPLICANT: Dubell, Arnold N.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Kumimoto, Roderick  
; APPLICANT: Sherman, Bradley K.  
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants  
; FILE REFERENCE: MBI-0048CIP  
; CURRENT APPLICATION NUMBER: US/10/412,699B  
; CURRENT FILING DATE: 2003-04-10  
; PRIOR APPLICATION NUMBER: 09/394,519  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: 09/489,376  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: 09/506,720  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: 09/533,030  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,392  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,029  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/532,591  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,648  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/713,994  
; PRIOR FILING DATE: 2000-11-16  
; PRIOR APPLICATION NUMBER: 09/819,142  
; PRIOR FILING DATE: 2001-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2011  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1764  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana

US-10-412-699B-1764  
Query Match 92.5%; Score 37; DB 12; Length 193;  
Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGLC 6  
Db 75 YKCGVC 80

Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGLC 6  
Db 75 YKCGVC 80

US-10-374-780A-1990  
; Sequence 1990, Application US/10374780A  
; Publication No. US20040019927A1  
; GENERAL INFORMATION:  
; APPLICANT: Sherman, Bradley K.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Haake, Volker  
; APPLICANT: Creelman, Robert A.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Dubell III, Arnold T  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Yu, Guo-liang  
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS  
; FILE REFERENCE: MBI-0047 CIP  
; CURRENT APPLICATION NUMBER: US/10/374,780A  
; CURRENT FILING DATE: 2003-02-25  
; PRIOR APPLICATION NUMBER: 09/837,944  
; PRIOR FILING DATE: 2001-04-18  
; PRIOR APPLICATION NUMBER: 60/310,847  
; PRIOR FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 09/934,455  
; PRIOR FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/336,049  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/338,692  
; PRIOR FILING DATE: 2001-12-11  
; PRIOR APPLICATION NUMBER: 10/171,468  
; PRIOR FILING DATE: 2002-06-14  
; PRIOR APPLICATION NUMBER: 10/225,066  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,067  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,068  
; PRIOR FILING DATE: 2002-08-09  
; NUMBER OF SEQ ID NOS: 2906  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1990  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: G351 Paralogous to G545

US-10-374-780A-1990  
Query Match 92.5%; Score 37; DB 15; Length 193;  
Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGLC 6  
Db 75 YKCGVC 80

## RESULT 15

US-10-108-260A-2767  
; Sequence 2767, Application US/10108260A  
; Publication No. US2004000560A1  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. US2004000560A1el full length cDNA  
; FILE REFERENCE: HI-A0106  
; CURRENT APPLICATION NUMBER: US/10/108,260A  
; CURRENT FILING DATE: 2002-03-27  
; NUMBER OF SEQ ID NOS: 5458

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2767
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2767
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Best Local Similarity 83.3%; Pred. NO. 2.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 YKGLC 6
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Db      412 YKGLC 417
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Search completed: March 18, 2004, 00:55:11
Job time : 4.07407 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.07407 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-6  
Perfect score: 40  
Sequence: 1 YKGLC 6

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
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- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
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- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	14	US-10-057-890A-6
2	40	100.0	138	14	Sequence 6, Appli
3	40	100.0	157	14	Sequence 10, Appl
4	40	100.0	427	12	Sequence 31, Appl
5	38	95.0	427	12	Sequence 54637, A
6	38	95.0	406	15	Sequence 2570, Ap
7	38	95.0	406	15	Sequence 2523, Ap
8	38	95.0	519	15	Sequence 1972, Ap
9	38	95.0	618	15	Sequence 2479, Ap
10	38	95.0	670	15	Sequence 3103, Ap
11	37	92.5	714	15	Sequence 2908, Ap
12	37	92.5	165	12	Sequence 72843, A
13	37	92.5	193	12	Sequence 236, App
14	37	92.5	193	12	Sequence 1764, Ap
15	37	92.5	193	15	Sequence 1990, Ap
			522	15	Sequence 2767, Ap

16	37	92.5	799	15	US-10-104-047-2929	Sequence 2929, Ap
17	36	90.0	3067	10	US-09-949-029-18	Sequence 18, Appl
18	35	87.5	139	12	US-10-424-599-185267	Sequence 185267,
19	35	87.5	250	9	US-09-867-350-760	Sequence 760, App
20	35	87.5	313	9	US-09-800-729-196	Sequence 196, App
21	35	87.5	316	9	US-09-764-864-967	Sequence 967, App
22	35	87.5	317	12	US-10-425-114-38575	Sequence 38575, A
23	35	87.5	402	12	US-10-221-625-36	Sequence 36, Appl
24	35	87.5	408	12	US-10-425-114-56314	Sequence 56314, A
25	34	85.0	23	9	US-09-785-632A-33	Sequence 39, Appl
26	34	85.0	23	14	US-10-223-763-39	Sequence 39, Appl
27	34	85.0	23	14	US-10-314-669-88	Sequence 88, Appl
28	34	85.0	94	12	US-10-424-599-248556	Sequence 248556,
29	34	85.0	308	9	US-09-764-864-927	Sequence 927, App
30	34	85.0	309	9	US-09-764-864-1366	Sequence 1366, App
31	34	85.0	327	15	US-10-108-260A-3050	Sequence 3050, Ap
32	34	85.0	366	10	US-09-949-029-96	Sequence 96, Appl
33	34	85.0	378	14	US-10-314-669-18	Sequence 18, Appl
34	34	85.0	405	12	US-10-425-114-60543	Sequence 60543, A
35	34	85.0	408	12	US-10-425-114-64193	Sequence 64193, A
36	34	85.0	418	12	US-10-425-114-58386	Sequence 58386, A
37	34	85.0	423	12	US-10-425-114-65227	Sequence 65227, A
38	34	85.0	432	12	US-10-425-114-66035	Sequence 66035, A
39	34	85.0	530	10	US-09-372-348-11	Sequence 11, Appl
40	34	85.0	559	12	US-10-425-114-62755	Sequence 62755, A
41	34	85.0	568	12	US-10-424-599-210610	Sequence 210610,
42	34	85.0	600	9	US-09-764-864-957	Sequence 957, App
43	34	85.0	683	15	US-10-104-047-2973	Sequence 2973, Ap
44	34	85.0	781	15	US-10-104-047-2937	Sequence 2937, Ap
45	34	85.0	1323	9	US-09-801-368-34	Sequence 34, Appl

## ALIGNMENTS

### RESULT 1

US-10-057-890A-6  
; Sequence 6, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, a  
; TITLE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 6  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-6

Query Match 100.0%; Score 40; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 YKGLC 6  
| | | | |  
Db 1 YKGLC 6  
RESULT 2  
US-10-057-890A-10  
; Sequence 10, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy

```
; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 10
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-10

Query Match      100.0%; Score 40; DB 14; Length 138;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
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Db      31 YKCGLC 36

RESULT 3
US-10-057-890A-31
; Sequence 31, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy
; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 31
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-31

Query Match      100.0%; Score 40; DB 14; Length 157;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      .|||||
Db      50 YKCGLC 55

RESULT 4
US-10-282-122A-54637
; Sequence 54637, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
```

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; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54637
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
US-10-282-122A-54637

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Best Local Similarity 100.0%; Pred. No. 62;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      86 YKCGLC 91

RESULT 5
US-10-104-047-2570
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; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2570
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2570

Query Match      95.0%; Score 38; DB 15; Length 357;
Best Local Similarity 83.3%; Pred. No. 11e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
      |||||
Db      334 YKCGIC 339
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RESULT 6  
US-10-094-749-2523  
; Sequence 2523, Application US/10094749  
; Publication No. US20030219741A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHICO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA  
; FILE REFERENCE: 084335/0160  
; CURRENT APPLICATION NUMBER: US/10/094,749  
; PRIOR FILING DATE: 2002-03-12  
; PRIOR APPLICATION NUMBER: 60/350,435  
; PRIOR FILING DATE: 2002-01-24  
; PRIOR APPLICATION NUMBER: JP 2001-328381  
; PRIOR FILING DATE: 2001-09-14  
; NUMBER OF SEQ ID NOS: 3381  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2523  
; LENGTH: 406  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-094-749-2523

Query Match 95.0%; Score 38; DB 15; Length 406;  
Best Local Similarity 83.3%; Pred. No. 1.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
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Db 383 YKCGTC 388

RESULT 7  
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; Publication No. US20030219741A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHICO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA  
; FILE REFERENCE: 084335/0160

; CURRENT APPLICATION NUMBER: US/10/094,749  
; CURRENT FILING DATE: 2002-03-12  
; PRIOR APPLICATION NUMBER: 60/350,435  
; PRIOR FILING DATE: 2002-01-24  
; PRIOR APPLICATION NUMBER: JP 2001-328381  
; PRIOR FILING DATE: 2001-09-14  
; NUMBER OF SEQ ID NOS: 3381  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1972  
; LENGTH: 519  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-094-749-1972

Query Match 95.0%; Score 38; DB 15; Length 519;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
|||:|  
Db 435 YKCGMC 440

RESULT 8  
US-10-094-749-2479  
; Sequence 2479, Application US/10094749  
; Publication No. US20030219741A1  
; GENERAL INFORMATION:  
; APPLICANT: ISOGAI, TAKAO  
; APPLICANT: SUGIYAMA, TOMOYASU  
; APPLICANT: OTSUKI, TETSUJI  
; APPLICANT: WAKAMATSU, AI  
; APPLICANT: SATO, HIROYUKI  
; APPLICANT: ISHII, SHIZUKO  
; APPLICANT: YAMAMOTO, JUN-ICHI  
; APPLICANT: HIO, YURI  
; APPLICANT: OTSUKA, KAORU  
; APPLICANT: NAGAI, KEIICHI  
; APPLICANT: IRIE, RYOTARO  
; APPLICANT: TAMECHIKA, ICHIRO  
; APPLICANT: SEKI, NAOHICO  
; APPLICANT: YOSHIKAWA, TSUTOMU  
; APPLICANT: OTSUKA, MOTOYUKI  
; APPLICANT: NAGAHARI, KENJI  
; APPLICANT: MASUHO, YASUHIKO  
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA  
; FILE REFERENCE: 084335/0160  
; CURRENT APPLICATION NUMBER: US/10/094,749  
; CURRENT FILING DATE: 2002-03-12  
; PRIOR APPLICATION NUMBER: 60/350,435  
; PRIOR FILING DATE: 2002-01-24  
; PRIOR APPLICATION NUMBER: JP 2001-328381  
; PRIOR FILING DATE: 2001-09-14  
; NUMBER OF SEQ ID NOS: 3381  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2479  
; LENGTH: 618  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-094-749-2479

Query Match 95.0%; Score 38; DB 15; Length 618;  
Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKCGLC 6  
|||:|  
Db 220 YKCGIC 225

RESULT 9  
US-10-108-260A-3103

```
; Sequence 3103, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cdna
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3103
; LENGTH: 670
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3103

Query Match      95.0%; Score 38; DB 15; Length 670;
Best Local Similarity 83.3%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
DB      620 YKCGMC 625

RESULT 10
US-10-108-260A-2908
; Sequence 2908, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cdna
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2908
; LENGTH: 714
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2908

Query Match      95.0%; Score 38; DB 15; Length 714;
Best Local Similarity 83.3%; Pred. No. 2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
DB      691 YKCGIC 696

RESULT 11
US-10-425-114-72843
; Sequence 72843, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaka, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 72843
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana

; FEATURE:
; OTHER INFORMATION: Clone ID: JC-ATXP89C245B19T7060_FLI.pap
US-10-425-114-72843

Query Match      92.5%; Score 37; DB 12; Length 165;
Best Local Similarity 83.3%; Pred. No. 86;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 YKCGLC 6
DB      47 YKCGVC 52

RESULT 12
US-10-412-699B-236
; Sequence 236, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
; APPLICANT: Dubell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Sherman, Bradley K.
; APPLICANT: Kumamoto, Roderick
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 236
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G351
US-10-412-699B-236

Query Match      92.5%; Score 37; DB 12; Length 193;
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Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGCGLC 6  
| | | | |  
Db 75 YKCGVC 80

## RESULT 13

US-10-412-699B-1764  
; Sequence 1764, Application US/10412699B  
; Publication No. US20040045049A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendel Biotechnology, Inc.

; APPLICANT: Zhang, James  
; APPLICANT: Fromm, Michael E.  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James S.  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Samaha, Raymond R.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Creelman, Robert A.  
; APPLICANT: DuBell, Arnold N.  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Kumimoto, Roderick  
; APPLICANT: Sherman, Bradley K.

; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants

; FILE REFERENCE: MEI-0048CIP  
; CURRENT APPLICATION NUMBER: US/10/412,699B  
; CURRENT FILING DATE: 2003-04-10  
; PRIOR APPLICATION NUMBER: 09/394,519  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: 09/489,376  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: 09/506,720  
; PRIOR FILING DATE: 2000-02-17  
; PRIOR APPLICATION NUMBER: 09/533,030  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,392  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,029  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/532,591  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/533,648  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: 09/713,994  
; PRIOR FILING DATE: 2000-11-16  
; PRIOR APPLICATION NUMBER: 09/819,142  
; PRIOR FILING DATE: 2001-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 2011  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1764  
; LENGTH: 193  
; TYPE: PRT

; ORGANISM: Arabidopsis thaliana  
US-10-412-699B-1764

Query Match 92.5%; Score 37; DB 12; Length 193;  
Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGCGLC 6  
| | | | |  
Db 75 YKCGVC 80

## RESULT 14

US-10-374-780A-1990  
; Sequence 1990, Application US/10374780A  
; Publication No. US2004001927A1  
; GENERAL INFORMATION:

; APPLICANT: Sherman, Bradley K  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Heard, Jacqueline E  
; APPLICANT: Haake, Volker  
; APPLICANT: Creelman, Robert A  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Adam, Luc J  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James  
; APPLICANT: Broun, Pierre E  
; APPLICANT: Pilgrim, Marsha L  
; APPLICANT: Dubell III, Arnold T  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Yu, Guo-Liang

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

; FILE REFERENCE: MEI-0047 CIP  
; CURRENT APPLICATION NUMBER: US/10/374,780A  
; CURRENT FILING DATE: 2003-02-25  
; PRIOR APPLICATION NUMBER: 09/837,944  
; PRIOR FILING DATE: 2001-04-18  
; PRIOR APPLICATION NUMBER: 60/310,847  
; PRIOR FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 09/934,455  
; PRIOR FILING DATE: 2001-08-22  
; PRIOR APPLICATION NUMBER: 60/336,049  
; PRIOR FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/338,692  
; PRIOR FILING DATE: 2001-12-11  
; PRIOR APPLICATION NUMBER: 10/171,468  
; PRIOR FILING DATE: 2002-06-14  
; PRIOR APPLICATION NUMBER: 10/225,066  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,067  
; PRIOR FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/225,068  
; PRIOR FILING DATE: 2002-08-09  
; NUMBER OF SEQ ID NOS: 2906  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1990  
; LENGTH: 193  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: G351 Paralogous to G545  
US-10-374-780A-1990

Query Match 92.5%; Score 37; DB 15; Length 193;  
Best Local Similarity 83.3%; Pred. No. 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YKGCGLC 6  
| | | | |  
Db 75 YKCGVC 80

## RESULT 15

US-10-108-260A-2767  
; Sequence 2767, Application US/10108260A  
; Publication No. US20040005560A1  
; GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA  
; FILE REFERENCE: H1-A0106  
; CURRENT APPLICATION NUMBER: US/10/108,260A  
; CURRENT FILING DATE: 2002-03-27  
; NUMBER OF SEQ ID NOS: 5458

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2767
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2767
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Query Match          92.5%; Score 37; DB 15; Length 522;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 YKCGLC 6
   |:|
Db 412 YKCGLC 417
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Search completed: March 18, 2004, 00:55:11
Job time : 4.07407 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 3.39506 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-7

Perfect score: 30  
Sequence: 1 HQRVH 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:

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15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	5	14	US-10-057-890A-7
2	30	100.0	23	14	US-10-223-765-181
3	30	100.0	23	14	US-10-314-669-103
4	30	100.0	23	15	US-10-074-978A-123
5	30	100.0	23	15	US-10-074-978A-124
6	30	100.0	23	15	US-10-074-978A-125
7	30	100.0	23	15	US-10-074-978A-126
8	30	100.0	23	15	US-10-074-978A-127
9	30	100.0	30	9	US-09-864-761-43845
10	30	100.0	51	14	US-10-029-386-29892
11	30	100.0	52	14	US-10-029-386-29011
12	30	100.0	73	14	US-10-029-386-33598
13	30	100.0	88	9	US-09-764-864-1488
14	30	100.0	93	11	US-09-833-245-304
15	30	100.0	93	14	US-10-144-156-2

16	30	100.0	99	14	US-10-029-386-30335
17	30	100.0	114	9	US-09-764-864-1372
18	30	100.0	115	9	US-09-925-300-1555
19	30	100.0	120	9	US-09-764-864-970
20	30	100.0	125	9	US-09-764-853-815
21	30	100.0	126	9	US-09-864-761-43918
22	30	100.0	127	10	US-09-820-649-238
23	30	100.0	127	14	US-10-160-162-238
24	30	100.0	131	12	US-10-425-114-37006
25	30	100.0	134	12	US-10-425-114-49318
26	30	100.0	135	14	US-10-106-698-6455
27	30	100.0	138	14	US-10-057-890A-10
28	30	100.0	144	15	US-10-108-260A-2472
29	30	100.0	145	15	US-10-104-047-2556
30	30	100.0	153	15	US-10-104-047-3007
31	30	100.0	154	9	US-09-764-864-1321
32	30	100.0	157	14	US-10-057-890A-31
33	30	100.0	165	9	US-09-764-864-1486
34	30	100.0	166	9	US-09-764-864-1472
35	30	100.0	167	15	US-10-108-260A-3344
36	30	100.0	180	9	US-09-864-761-36704
37	30	100.0	181	12	US-10-424-599-257816
38	30	100.0	183	15	US-10-074-978A-115
39	30	100.0	184	15	US-10-104-047-2477
40	30	100.0	184	15	US-10-108-260A-3787
41	30	100.0	184	15	US-10-108-260A-4369
42	30	100.0	184	15	US-10-074-978A-114
43	30	100.0	190	15	US-10-264-049-2671
44	30	100.0	191	9	US-09-764-864-1358
45	30	100.0	192	9	US-09-764-864-1046

#### ALIGNMENTS

#### RESULT 1

US-10-057-890A-7  
; Sequence 7, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION: Timothy  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 7  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-7

Query Match 100.0%; Score 30; DB 14; Length 5;

Best Local Similarity 100.0%; Pred. No. 9.4e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5

DB 1 HQRVH 5

#### RESULT 2

US-10-223-765-181  
; Sequence 181, Application US/10223765  
; Publication No. US20030165997A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Jin-Soo

```

; APPLICANT: Bae, Kwang-Hee
; APPLICANT: Park, Kyung-Soon
; APPLICANT: Kwon, Young Do
; APPLICANT: Ryu, Eun-Hyun
; APPLICANT: Hwang, Moon-Sun
; TITLE OF INVENTION: ZINC FINGER DOMAIN LIBRARIES
; FILE REFERENCE: 12279-005001
; CURRENT APPLICATION NUMBER: US/10/223,765
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: 60/374,355
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/313,402
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-223-765-181

```

```

Query Match      100.0%; Score 30; DB 14; Length 23;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 HORVH 5
Db      19 HORVH 23

```

```

RESULT 3
US-10-314-669-103
; Sequence 103, Application US/10314669
; Publication No. US20030194727A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jin-Soo
; APPLICANT: Park, Kyung-Soon
; APPLICANT: Lee, Dong-Ki
; APPLICANT: Seol, Wongi
; APPLICANT: Lee, Horim
; APPLICANT: Lee, Seong-il
; APPLICANT: Yang, Hyo-Young
; APPLICANT: Lee, Yangsoon
; APPLICANT: Jang, Young-Soon
; TITLE OF INVENTION: PHENOTYPIC SCREEN OF CHIMERIC PROTEINS
; FILE REFERENCE: 12279-007001
; CURRENT APPLICATION NUMBER: US/10/314,669
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 60/338,441
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: US 60/376,053
; PRIOR FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: US 60/400,904
; PRIOR FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US 60/401,089
; PRIOR FILING DATE: 2002-08-05
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-314-669-103

```

```

Query Match      100.0%; Score 30; DB 14; Length 23;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 HORVH 5
Db      19 HORVH 23

```

```

RESULT 4
US-10-074-978A-123
; Sequence 123, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
; APPLICANT: Leite, Mario
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Guo, Xiaojia (Sasha)
; APPLICANT: Fernandes, Elma
; APPLICANT: Li, Li
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Liu, Xiahong
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; APPLICANT: Patturajan, Meera
; APPLICANT: Bialock, Angela
; APPLICANT: Ballinger, Robert
; APPLICANT: Vernet, Corine
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gusev, Vladimir
; APPLICANT: Rastelli, Luca
; APPLICANT: Mezes, Peter S
; APPLICANT: Ellerman, Karen
; APPLICANT: Hayes, Melvin P
; APPLICANT: Herzman, John
; APPLICANT: Pena, Carol E A
; APPLICANT: Shinkets, Richard A
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Moore, No. US20040010119A11le
; APPLICANT: Shenoy, Suresh
; APPLICANT: Edinger, Shlomit
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, Dave
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glendna
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-269
; CURRENT APPLICATION NUMBER: US/10/074,978A
; CURRENT FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: 60/268,221
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/335,109
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/312,284
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: 60/268,496
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/276,703
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/330,293
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/322,127
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/280,899
; PRIOR FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 60/310,797
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/268,646
; PRIOR FILING DATE: 2001-02-14
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 123
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-074-978A-123

```

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Query Match      100.0%; Score 30; DB 15; Length 23;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 HORVH 5
Db      19 HORVH 23

RESULT 5
US-10-074-978A-124
; Sequence 124, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
; APPLICANT: Leite, Mario
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Guo, Xiaojia (Sasha)
; APPLICANT: Fernandes, Elma
; APPLICANT: Li, Li
; APPLICANT: Liu, Xiahong
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; APPLICANT: Patturajan, Meera
; APPLICANT: Bialock, Angela
; APPLICANT: Ballinger, Robert
; APPLICANT: Vernet, Corine
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gusev, Vladimir
; APPLICANT: Rastelli, Luca
; APPLICANT: Mezes, Peter S
; APPLICANT: Ellerman, Karen
; APPLICANT: Heyes, Melvin P
; APPLICANT: Herrman, John
; APPLICANT: Pena, Carol E A
; APPLICANT: Shinkets, Richard A
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Moore, No. US20040010119A1lle
; APPLICANT: Shenoy, Suresh
; APPLICANT: Edinger, Shlomit
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, Dave
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glenda
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-269
; CURRENT APPLICATION NUMBER: US/10/074,978A
; CURRENT FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: 60/268,221
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/335,109
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/312,284
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: 60/268,496
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/276,703
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/330,293
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/322,127
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/280,899
; PRIOR FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 60/310,797
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/268,646
; PRIOR FILING DATE: 2001-02-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 124
; LENGTH: 23
; TYPE: PRT

; ORGANISM: Homo sapiens
US-10-074-978A-124
Query Match      100.0%; Score 30; DB 15; Length 23;
Best Local Similarity 100.0%; Pred. No. 29;
Matches      5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 HORVH 5
Db      19 HORVH 23

RESULT 6
US-10-074-978A-125
; Sequence 125, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
; APPLICANT: Leite, Mario
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Guo, Xiaojia (Sasha)
; APPLICANT: Fernandes, Elma
; APPLICANT: Li, Li
; APPLICANT: Liu, Xiahong
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; APPLICANT: Patturajan, Meera
; APPLICANT: Bialock, Angela
; APPLICANT: Ballinger, Robert
; APPLICANT: Vernet, Corine
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gusev, Vladimir
; APPLICANT: Rastelli, Luca
; APPLICANT: Mezes, Peter S
; APPLICANT: Ellerman, Karen
; APPLICANT: Heyes, Melvin P
; APPLICANT: Herrman, John
; APPLICANT: Pena, Carol E A
; APPLICANT: Shinkets, Richard A
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Moore, No. US20040010119A1lle
; APPLICANT: Shenoy, Suresh
; APPLICANT: Edinger, Shlomit
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, Dave
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glenda
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-269
; CURRENT APPLICATION NUMBER: US/10/074,978A
; CURRENT FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: 60/268,221
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/335,109
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/312,284
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: 60/268,496
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: 60/276,703
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/330,293
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/322,127
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/280,899
; PRIOR FILING DATE: 2001-04-02
; PRIOR APPLICATION NUMBER: 60/310,797
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/268,646
; PRIOR FILING DATE: 2001-02-14
```

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 547  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-074-978A-125

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5  
|  
|  
|  
|  
|  
Db 19 HORVH 23

## RESULT 7

US-10-074-978A-126  
; Sequence 126, Application US/10074978A  
; Publication No. US20040010119A1

## GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiahong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Blalock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Vernet, Corine  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Peyman, John  
; APPLICANT: Smithson, Glenda

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-269

; CURRENT APPLICATION NUMBER: US/10/074,978A

; CURRENT FILING DATE: 2003-01-07

; PRIOR APPLICATION NUMBER: 60/268,221

; PRIOR FILING DATE: 2001-02-12

; PRIOR APPLICATION NUMBER: 60/335,109

; PRIOR FILING DATE: 2001-10-31

; PRIOR APPLICATION NUMBER: 60/312,284

; PRIOR FILING DATE: 2001-08-14

; PRIOR APPLICATION NUMBER: 60/268,496

; PRIOR FILING DATE: 2001-02-13

; PRIOR APPLICATION NUMBER: 60/276,703

; PRIOR FILING DATE: 2001-03-16

; PRIOR APPLICATION NUMBER: 60/330,293

; PRIOR FILING DATE: 2001-10-19

; PRIOR APPLICATION NUMBER: 60/322,127

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: 60/280,899  
; PRIOR FILING DATE: 2001-04-02  
; PRIOR APPLICATION NUMBER: 60/310,797  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/268,646  
; PRIOR FILING DATE: 2001-02-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 547  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 126  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-074-978A-126

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5  
|  
|  
|  
|  
|  
Db 19 HORVH 23

## RESULT 8

US-10-074-978A-127  
; Sequence 127, Application US/10074978A  
; Publication No. US20040010119A1

## GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiahong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Blalock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Vernet, Corine  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Peyman, John  
; APPLICANT: Smithson, Glenda

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-269

; CURRENT APPLICATION NUMBER: US/10/074,978A

; CURRENT FILING DATE: 2003-01-07

; PRIOR APPLICATION NUMBER: 60/268,221

; PRIOR FILING DATE: 2001-02-12

; PRIOR APPLICATION NUMBER: 60/335,109

; PRIOR FILING DATE: 2001-10-31

; PRIOR APPLICATION NUMBER: 60/312,284

; PRIOR FILING DATE: 2001-08-14

; PRIOR APPLICATION NUMBER: 60/268,496

; PRIOR FILING DATE: 2001-02-13

```
/ PRIOR APPLICATION NUMBER: 60/276,703
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/330,293
/ PRIOR FILING DATE: 2001-10-18
/ PRIOR APPLICATION NUMBER: 60/322,127
/ PRIOR FILING DATE: 2001-11-21
/ PRIOR APPLICATION NUMBER: 60/280,899
/ PRIOR FILING DATE: 2001-04-02
/ PRIOR APPLICATION NUMBER: 60/310,797
/ PRIOR FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: 60/268,646
/ PRIOR FILING DATE: 2001-02-14
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 547
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 127
/ LENGTH: 23
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-074-978A-127

Query Match      100.0%; Score 30; DB 15; Length 23;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 HORVH 5
Db      19 HORVH 23

RESULT 9
US-09-864-761-43845
/ Sequence 43845, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
/ FILE REFERENCE: Aecmica-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
```

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/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 43845
/ LENGTH: 30
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC005324.1
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.62
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.6
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.84
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.78
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.86
/ OTHER INFORMATION: SWISSPROT HIT: O60765, EVALUE 3.00e-08
/ OTHER INFORMATION: EST_HUMAN HIT: BE902618.1, EVALUE 6.00e-12
US-09-864-761-43845

Query Match      100.0%; Score 30; DB 9; Length 30;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 HORVH 5
Db      21 HORVH 25

RESULT 10
US-10-029-386-29892
/ Sequence 29892, Application US/10029386
/ Publication No. US20030194704A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS TWO
/ FILE REFERENCE: AECMICA-X-2
/ CURRENT APPLICATION NUMBER: US/10/029,386
/ CURRENT FILING DATE: 2001-12-20
/ NUMBER OF SEQ ID NOS: 34288
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 29892
/ LENGTH: 51
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO CHR11.1
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.9
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.81
/ OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76
/ OTHER INFORMATION: SWISSPROT HIT: Q9NYT6, EVALUE 1.00e-26
US-10-029-386-29892

Query Match      100.0%; Score 30; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 HORVH 5
Db      6 HORVH 10

RESULT 11
```

US-10-029-386-29011  
 ; Sequence 29011, Application US/10029386  
 ; Publication No. US2003019404A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharon G.  
 ; APPLICANT: Rank, David R.  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
 ; FILE REFERENCE: AEWICA-X-2  
 ; CURRENT APPLICATION NUMBER: US/10/029,386  
 ; CURRENT FILING DATE: 2001-12-20  
 ; NUMBER OF SEQ ID NOS: 34288  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 29011  
 ; LENGTH: 52  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO CHR1.1  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.54  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.5  
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.44  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.96  
 ; OTHER INFORMATION: SWISSPROT HIT: Q9UL59, EVALUE 7.00e-20  
 US-10-029-386-29011

Query Match 100.0%; Score 30; DB 14; Length 52;  
 Best Local Similarity 100.0%; Pred. No. 61; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0;

Qy 1 HORVH 5  
 |||||  
 Db 17 HORVH 21

RESULT 12  
 US-10-029-386-33598  
 ; Sequence 33598, Application US/10029386  
 ; Publication No. US2003019404A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharon G.  
 ; APPLICANT: Rank, David R.  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
 ; FILE REFERENCE: AEWICA-X-2  
 ; CURRENT APPLICATION NUMBER: US/10/029,386  
 ; CURRENT FILING DATE: 2001-12-20  
 ; NUMBER OF SEQ ID NOS: 34288  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 33598  
 ; LENGTH: 79  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO CHR1.1  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3  
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
 ; OTHER INFORMATION: SWISSPROT HIT: Q6L116, EVALUE 1.00e-41  
 US-10-029-386-33598

Query Match 100.0%; Score 30; DB 14; Length 79;  
 Best Local Similarity 100.0%; Pred. No. 90; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0;

Qy 1 HORVH 5  
 |||||  
 Db 56 HORVH 60

RESULT 13  
 US-09-764-864-1488  
 ; Sequence 1488, Application US/09764864  
 ; Patent No. US20020132753A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: PT223  
 ; CURRENT APPLICATION NUMBER: US/09/764,864  
 ; CURRENT FILING DATE: 2001-01-17  
 ; Prior application data removed - consult PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 1792  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1488  
 ; LENGTH: 88  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-764-864-1488

Query Match 100.0%; Score 30; DB 9; Length 88;  
 Best Local Similarity 100.0%; Pred. No. 99; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0;

Qy 1 HORVH 5  
 |||||  
 Db 54 HORVH 58

RESULT 14  
 US-09-833-245-304  
 ; Sequence 304, Application US/09833245  
 ; Publication No. US20040010134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Human Genome Sciences, Inc.  
 ; TITLE OF INVENTION: Albumin Fusion Proteins  
 ; FILE REFERENCE: PF546PCT  
 ; CURRENT APPLICATION NUMBER: US/09/833,245  
 ; CURRENT FILING DATE: 2001-04-12  
 ; PRIOR APPLICATION NUMBER: 60/229,358  
 ; PRIOR FILING DATE: 2000-04-12  
 ; PRIOR APPLICATION NUMBER: 60/256,931  
 ; PRIOR FILING DATE: 2000-12-21  
 ; PRIOR APPLICATION NUMBER: 60/199,384  
 ; PRIOR FILING DATE: 2000-04-25  
 ; NUMBER OF SEQ ID NOS: 2267  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 304  
 ; LENGTH: 93  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: SITE  
 ; LOCATION: (5)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-833-245-304

Query Match 100.0%; Score 30; DB 11; Length 93;  
 Best Local Similarity 100.0%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0;

Qy 1 HORVH 5  
 |||||  
 Db 56 HORVH 60

RESULT 15  
 US-10-144-156-2  
 ; Sequence 2, Application US/10144156  
 ; Publication No. US20030166197A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ecker, Joseph R.  
 ; APPLICANT: Nehring, Ramlah  
 ; APPLICANT: McGrath, Robert B.

```
; TITLE OF INVENTION: ETHYLENE INSENSITIVE PLANTS
; FILE REFERENCE: SALKINS.040A
; CURRENT APPLICATION NUMBER: US/10/144,156
; CURRENT FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: ZN FING
; LOCATION: (1)...(93)
US-10-144-156-2
```

```
Query Match 100.0%; Score 30; DB 14; Length 93;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5
   |||||
Db 23 HORVH 27
```

Search completed: March 18, 2004, 00:55:12  
Job time : 4.39506 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 3.39506 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-7

Perfect score: 30

Sequence: 1 HQRVH 5

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
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9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	5	14	US-10-057-890A-7
2	30	100.0	23	14	Sequence 7, Appli
3	30	100.0	23	14	Sequence 181, App
4	30	100.0	23	15	US-10-314-669-103
5	30	100.0	23	15	US-10-074-978A-123
6	30	100.0	23	15	US-10-074-978A-124
7	30	100.0	23	15	US-10-074-978A-125
8	30	100.0	23	15	US-10-074-978A-126
9	30	100.0	23	15	US-10-074-978A-127
10	30	100.0	30	9	US-09-864-761-43845
11	30	100.0	51	14	US-10-029-386-29892
12	30	100.0	52	14	US-10-029-386-29011
13	30	100.0	79	14	US-10-029-386-33598
14	30	100.0	88	9	US-09-764-864-1488
15	30	100.0	93	11	US-09-833-245-304
	30	100.0	93	14	US-10-144-156-2

Sequence 30335, A  
Sequence 1372, Ap  
Sequence 1555, Ap  
Sequence 970, App  
Sequence 815, App  
Sequence 43918, A  
Sequence 238, App  
Sequence 238, App  
Sequence 3306, A  
Sequence 49318, A  
Sequence 6455, Ap  
Sequence 10, Appl  
Sequence 2472, Ap  
Sequence 2556, Ap  
Sequence 3007, Ap  
Sequence 1321, Ap  
Sequence 31, Appl  
Sequence 1486, Ap  
Sequence 1472, Ap  
Sequence 3344, Ap  
Sequence 36704, A  
Sequence 257816, A  
Sequence 115, App  
Sequence 2477, Ap  
Sequence 3787, Ap  
Sequence 4369, Ap  
Sequence 114, App  
Sequence 2671, Ap  
Sequence 1358, Ap  
Sequence 1046, Ap

16 30 100.0 99 14 US-10-029-386-30335  
17 30 100.0 114 9 US-09-764-864-1372  
18 30 100.0 115 9 US-09-925-300-1555  
19 30 100.0 120 9 US-09-764-864-970  
20 30 100.0 125 9 US-09-764-853-815  
21 30 100.0 126 9 US-09-864-761-43918  
22 30 100.0 127 10 US-09-820-649-238  
23 30 100.0 127 14 US-10-160-162-238  
24 30 100.0 131 12 US-10-425-114-37006  
25 30 100.0 134 12 US-10-425-114-49318  
26 30 100.0 135 14 US-10-106-698-6455  
27 30 100.0 138 14 US-10-057-890A-10  
28 30 100.0 144 15 US-10-108-260A-2472  
29 30 100.0 145 15 US-10-104-047-2556  
30 30 100.0 153 15 US-10-104-047-3007  
31 30 100.0 154 9 US-09-764-864-1321  
32 30 100.0 157 14 US-10-057-890A-31  
33 30 100.0 165 9 US-09-764-864-1486  
34 30 100.0 166 9 US-09-764-864-1472  
35 30 100.0 167 15 US-10-108-260A-3344  
36 30 100.0 180 9 US-09-864-761-36704  
37 30 100.0 181 12 US-10-424-599-257816  
38 30 100.0 183 15 US-10-074-978A-115  
39 30 100.0 184 15 US-10-104-047-2477  
40 30 100.0 184 15 US-10-108-260A-3787  
41 30 100.0 184 15 US-10-108-260A-4369  
42 30 100.0 184 15 US-10-074-978A-114  
43 30 100.0 190 15 US-10-264-049-2671  
44 30 100.0 191 9 US-09-764-864-1358  
45 30 100.0 192 9 US-09-764-864-1046

#### ALIGNMENTS

#### RESULT 1

US-10-057-890A-7

; Sequence 7, Application US/10057890A

; Publication No. US20030044901A1

; GENERAL INFORMATION:

; APPLICANT: Coleman, Timothy

; APPLICANT: Mansfield, Brian

; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, &

; FILE REFERENCE: PF537

; CURRENT APPLICATION NUMBER: US/10/057,890A

; CURRENT FILING DATE: 2002-01-29

; PRIOR APPLICATION NUMBER: 60/265,782

; PRIOR FILING DATE: 2001-01-31

; PRIOR APPLICATION NUMBER: 60/265,858

; PRIOR FILING DATE: 2001-01-31

; NUMBER OF SEQ ID NOS: 32

; SEQ ID NO 7

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-057-890A-7

Query Match 100.0%; Score 30; DB 14; Length 5;

Best Local Similarity 100.0%; Pred. No. 9.4e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5

Db 1 HQRVH 5

#### RESULT 2

US-10-223-765-181

; Sequence 181, Application US/10223765

; Publication No. US20030165997A1

; GENERAL INFORMATION:

; APPLICANT: Kim, Jin-Soo



APPLICANT: Bae, Kwang-Hee  
APPLICANT: Park, Kyung-Soon  
APPLICANT: Kwon, Young Do  
APPLICANT: Ryu, Eun-Hyun  
APPLICANT: Hwang, Moon-Sun  
TITLE OF INVENTION: ZINC FINGER DOMAIN LIBRARIES  
FILE REFERENCE: 12279-005001  
CURRENT APPLICATION NUMBER: US/10/223,765  
CURRENT FILING DATE: 2002-08-19  
PRIOR APPLICATION NUMBER: 60/374,355  
PRIOR FILING DATE: 2002-04-22  
PRIOR APPLICATION NUMBER: 60/313,402  
PRIOR FILING DATE: 2001-08-17  
NUMBER OF SEQ ID NOS: 305  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 181  
LENGTH: 23  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-223-765-181

Query Match 100.0%; Score 30; DB 14; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5  
Db 19 HQRVH 23

## RESULT 3

US-10-314-669-103  
Sequence 103, Application US/10314669  
Publication No. US2003019472A1  
GENERAL INFORMATION:  
APPLICANT: Kim, Jin-Soo  
APPLICANT: Park, Kyung-Soon  
APPLICANT: Lee, Dong-Ki  
APPLICANT: Seol, Wongi  
APPLICANT: Lee, Horim  
APPLICANT: Lee, Seong-il  
APPLICANT: Yang, Hyo-Young  
APPLICANT: Lee, Yangsoon  
APPLICANT: Jang, Young-Soon  
TITLE OF INVENTION: PHENOTYPIC SCREEN OF CHIMERIC PROTEINS  
FILE REFERENCE: 12279-007001  
CURRENT APPLICATION NUMBER: US/10/314,669  
CURRENT FILING DATE: 2002-12-09  
PRIOR APPLICATION NUMBER: US 60/338,441  
PRIOR FILING DATE: 2001-12-07  
PRIOR APPLICATION NUMBER: US 60/376,053  
PRIOR FILING DATE: 2002-04-26  
PRIOR APPLICATION NUMBER: US 60/400,904  
PRIOR FILING DATE: 2002-08-02  
PRIOR APPLICATION NUMBER: US 60/401,089  
PRIOR FILING DATE: 2002-08-05  
NUMBER OF SEQ ID NOS: 266  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 103  
LENGTH: 23  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-314-669-103

Query Match 100.0%; Score 30; DB 14; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5  
Db 19 HQRVH 23

RESULT 4  
US-10-074-978A-123  
Sequence 123, Application US/10074978A  
Publication No. US20040010119A1  
GENERAL INFORMATION:  
APPLICANT: Leite, Mario  
APPLICANT: Spytek, Kimberly A  
APPLICANT: Guo, Xiaojia (Sasha)  
APPLICANT: Fernandes, Elma  
APPLICANT: Li, Li  
APPLICANT: Kekuda, Ramesh  
APPLICANT: Liu, Xiaohong  
APPLICANT: Casman, Stacie  
APPLICANT: Boldog, Ferenc  
APPLICANT: Patturajan, Meera  
APPLICANT: Blalock, Angela  
APPLICANT: Ballinger, Robert  
APPLICANT: Vernet, Corine  
APPLICANT: Tchernev, Velizar T  
APPLICANT: Malyankar, Uriel M  
APPLICANT: Gusev, Vladimir  
APPLICANT: Rastelli, Luca  
APPLICANT: Mezes, Peter S  
APPLICANT: Ellerman, Karen  
APPLICANT: Heyes, Melvin P  
APPLICANT: Herrman, John  
APPLICANT: Pena, Carol E A  
APPLICANT: Shinkets, Richard A  
APPLICANT: Taupier Jr, Raymond J  
APPLICANT: Moore, No. US20040010119A11le  
APPLICANT: Shency, Suresh  
APPLICANT: Edinger, Shlomit  
APPLICANT: Gunther, Erik  
APPLICANT: Stone, Dave  
APPLICANT: Millet, Isabelle  
APPLICANT: Peyman, John  
APPLICANT: Smithson, Glennda  
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
FILE REFERENCE: 21402-269  
CURRENT APPLICATION NUMBER: US/10/074,978A  
CURRENT FILING DATE: 2003-01-07  
PRIOR APPLICATION NUMBER: 60/268,221  
PRIOR FILING DATE: 2001-02-12  
PRIOR APPLICATION NUMBER: 60/335,109  
PRIOR FILING DATE: 2001-10-31  
PRIOR APPLICATION NUMBER: 60/312,284  
PRIOR FILING DATE: 2001-08-14  
PRIOR APPLICATION NUMBER: 60/268,496  
PRIOR FILING DATE: 2001-02-13  
PRIOR APPLICATION NUMBER: 60/276,703  
PRIOR FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/330,293  
PRIOR FILING DATE: 2001-10-18  
PRIOR APPLICATION NUMBER: 60/322,127  
PRIOR FILING DATE: 2001-11-21  
PRIOR APPLICATION NUMBER: 60/280,899  
PRIOR FILING DATE: 2001-04-02  
PRIOR APPLICATION NUMBER: 60/310,797  
PRIOR FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: 60/268,646  
PRIOR FILING DATE: 2001-02-14  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 547  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 123  
LENGTH: 23  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-074-978A-123

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 HORVH 5  
Db 19 HORVH 23

## RESULT 5

US-10-074-978A-124  
; Sequence 124, Application US/10074978A  
; Publication No. US20040010119A1

## ; GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiahong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Blalock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shinkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Feyman, John  
; APPLICANT: Smithson, Glennda

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-269

; CURRENT APPLICATION NUMBER: US/10/074,978A

; CURRENT FILING DATE: 2003-01-07  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR FILING DATE: 2001-10-31  
; PRIOR FILING DATE: 2001-10-31  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR FILING DATE: 2001-02-13  
; PRIOR FILING DATE: 2001-02-13  
; PRIOR FILING DATE: 2001-11-21  
; PRIOR FILING DATE: 2001-04-02  
; PRIOR FILING DATE: 2001-04-02  
; PRIOR FILING DATE: 2001-10-18  
; PRIOR FILING DATE: 2001-10-18  
; PRIOR FILING DATE: 2001-11-21  
; PRIOR FILING DATE: 2001-02-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 547

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 124

; LENGTH: 23

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-074-978A-124

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 HORVH 5  
Db 19 HORVH 23

## RESULT 6

US-10-074-978A-125  
; Sequence 125, Application US/10074978A  
; Publication No. US20040010119A1

## ; GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiahong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Blalock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Vernet, Corine  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shinkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Feyman, John  
; APPLICANT: Smithson, Glennda

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-269

; CURRENT APPLICATION NUMBER: US/10/074,978A

; CURRENT FILING DATE: 2003-01-07  
; PRIOR APPLICATION NUMBER: 60/268,221  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/335,109  
; PRIOR FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: 60/312,284  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR APPLICATION NUMBER: 60/268,496  
; PRIOR FILING DATE: 2001-02-13  
; PRIOR APPLICATION NUMBER: 60/276,703  
; PRIOR FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: 60/330,293  
; PRIOR FILING DATE: 2001-10-18  
; PRIOR APPLICATION NUMBER: 60/322,127  
; PRIOR FILING DATE: 2001-11-21  
; PRIOR APPLICATION NUMBER: 60/280,899  
; PRIOR FILING DATE: 2001-04-02  
; PRIOR APPLICATION NUMBER: 60/310,797  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/268,646  
; PRIOR FILING DATE: 2001-02-14

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 547  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 125  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-074-978A-125

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5  
Db 19 HQRVH 23

## RESULT 7

US-10-074-978A-126

; Sequence 126, Application US/10074978A  
; Publication No. US20040010119A1

; GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiaohong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Bialock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Vernet, Corine  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Peyman, John  
; APPLICANT: Smithson, Glenda  
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-269  
; CURRENT APPLICATION NUMBER: US/10/074,978A  
; CURRENT FILING DATE: 2003-01-07  
; PRIOR APPLICATION NUMBER: 60/268,221  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/335,109  
; PRIOR FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: 60/312,284  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR APPLICATION NUMBER: 60/268,496  
; PRIOR FILING DATE: 2001-02-13  
; PRIOR APPLICATION NUMBER: 60/276,703  
; PRIOR FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: 60/330,293  
; PRIOR FILING DATE: 2001-10-18  
; PRIOR APPLICATION NUMBER: 60/322,127  
; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: 60/280,899  
; PRIOR FILING DATE: 2001-04-02  
; PRIOR APPLICATION NUMBER: 60/310,797  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/268,646  
; PRIOR FILING DATE: 2001-02-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 547  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 126  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-074-978A-126

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HQRVH 5  
Db 19 HQRVH 23

## RESULT 8

US-10-074-978A-127

; Sequence 127, Application US/10074978A

; Publication No. US20040010119A1

; GENERAL INFORMATION:

; APPLICANT: Leite, Mario  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Guo, Xiaojia (Sasha)  
; APPLICANT: Fernandes, Elma  
; APPLICANT: Li, Li  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Liu, Xiaohong  
; APPLICANT: Casman, Stacie  
; APPLICANT: Boldog, Ferenc  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Bialock, Angela  
; APPLICANT: Ballinger, Robert  
; APPLICANT: Vernet, Corine  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Malyankar, Uriel M  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Mezes, Peter S  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Heyes, Melvin P  
; APPLICANT: Herrman, John  
; APPLICANT: Pena, Carol E A  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Moore, No. US20040010119A1lle  
; APPLICANT: Shenoy, Suresh  
; APPLICANT: Edinger, Shlomit  
; APPLICANT: Gunther, Erik  
; APPLICANT: Stone, Dave  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Peyman, John  
; APPLICANT: Smithson, Glenda  
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-269  
; CURRENT APPLICATION NUMBER: US/10/074,978A  
; CURRENT FILING DATE: 2003-01-07  
; PRIOR APPLICATION NUMBER: 60/268,221  
; PRIOR FILING DATE: 2001-02-12  
; PRIOR APPLICATION NUMBER: 60/335,109  
; PRIOR FILING DATE: 2001-10-31  
; PRIOR APPLICATION NUMBER: 60/312,284  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR APPLICATION NUMBER: 60/268,496  
; PRIOR FILING DATE: 2001-02-13

;; PRIOR APPLICATION NUMBER: 60/276,703  
;; PRIOR FILING DATE: 2001-03-16  
;; PRIOR APPLICATION NUMBER: 60/330,293  
;; PRIOR FILING DATE: 2001-10-18  
;; PRIOR APPLICATION NUMBER: 60/322,127  
;; PRIOR FILING DATE: 2001-11-21  
;; PRIOR APPLICATION NUMBER: 60/280,899  
;; PRIOR FILING DATE: 2001-04-02  
;; PRIOR APPLICATION NUMBER: 60/310,797  
;; PRIOR FILING DATE: 2001-08-08  
;; PRIOR APPLICATION NUMBER: 60/268,646  
;; PRIOR FILING DATE: 2001-02-14  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 547  
;; SOFTWARE: RatentIn Ver. 2.1  
;; SEQ ID NO 127  
;; LENGTH: 23  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-074-978A-127

Query Match 100.0%; Score 30; DB 15; Length 23;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5  
Db 19 HORVH 23

RESULT 9  
US-09-864-761-43845  
; Sequence 43845, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Acomica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670

;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 43845  
;; LENGTH: 30  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
; OTHER INFORMATION: MAP TO AC005324.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.62  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.6  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.84  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.78  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.86  
; OTHER INFORMATION: SWISSPROT HIT: O60765, EVALUATE 3.00e-08  
; OTHER INFORMATION: EST\_HUMAN HIT: BE902618.1, EVALUATE 6.00e-12  
US-09-864-761-43845

Query Match 100.0%; Score 30; DB 9; Length 30;  
Best Local Similarity 100.0%; Pred. No. 37;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5  
Db 21 HORVH 25

RESULT 10  
US-10-029-386-29892  
; Sequence 29892, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: ACOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 29892  
; LENGTH: 51  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR1.1  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.9  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.81  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76  
; OTHER INFORMATION: SWISSPROT HIT: Q9NYT6, EVALUATE 1.00e-26  
US-10-029-386-29892

Query Match 100.0%; Score 30; DB 14; Length 51;  
Best Local Similarity 100.0%; Pred. No. 60;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HORVH 5  
Db 6 HORVH 10

RESULT 11

US-10-029-386-29011  
; Sequence 29011, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEWICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 29011  
; LENGTH: 52  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR1.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.54  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.5  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.44  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.96  
; OTHER INFORMATION: SWISSPROT HIT: Q9UL59, EVALUE 7.00e-20  
; US-10-029-386-29011

Query Match 100.0%; Score 30; DB 14; Length 52;  
Best Local Similarity 100.0%; Pred. No. 61;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HQRVH 5  
Db 17 HQRVH 21

RESULT 12  
US-10-029-386-33598  
; Sequence 33598, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEWICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 33598  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR1.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
; OTHER INFORMATION: SWISSPROT HIT: Q61116, EVALUE 1.00e-41  
; US-10-029-386-33598

Query Match 100.0%; Score 30; DB 14; Length 79;  
Best Local Similarity 100.0%; Pred. No. 90;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HQRVH 5  
Db 56 HQRVH 60

RESULT 13  
US-09-764-864-1488  
; Sequence 1488, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT23  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1488  
; LENGTH: 88  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-764-864-1488

Query Match 100.0%; Score 30; DB 9; Length 88;  
Best Local Similarity 100.0%; Pred. No. 99;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HQRVH 5  
Db 54 HQRVH 58

RESULT 14  
US-09-833-245-304  
; Sequence 304, Application US/09833245  
; Publication No. US20040010134A1  
; GENERAL INFORMATION:  
; APPLICANT: Human Genome Sciences, Inc.  
; TITLE OF INVENTION: Albumin Fusion Proteins  
; FILE REFERENCE: PF546PCT  
; CURRENT APPLICATION NUMBER: US/09/833,245  
; CURRENT FILING DATE: 2001-04-12  
; PRIOR APPLICATION NUMBER: 60/229,358  
; PRIOR FILING DATE: 2000-04-12  
; PRIOR APPLICATION NUMBER: 60/256,931  
; PRIOR FILING DATE: 2000-12-21  
; PRIOR APPLICATION NUMBER: 60/199,384  
; PRIOR FILING DATE: 2000-04-25  
; NUMBER OF SEQ ID NOS: 2267  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 304  
; LENGTH: 93  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (5)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; US-09-833-245-304

Query Match 100.0%; Score 30; DB 11; Length 93;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 HQRVH 5  
Db 56 HQRVH 60

RESULT 15  
US-10-144-156-2  
; Sequence 2, Application US/10144156  
; Publication No. US20030166197A1  
; GENERAL INFORMATION:  
; APPLICANT: Ecker, Joseph R.  
; APPLICANT: Nehring, Ramlah  
; APPLICANT: McGrath, Robert B.

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; TITLE OF INVENTION: ETHYLENE INSENSITIVE PLANTS
; FILE REFERENCE: SALKINS.040A
; CURRENT APPLICATION NUMBER: US/10/144,156
; CURRENT FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: ZN FING
; LOCATION: (1)...(93)
US-10-144-156-2
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Query Match      100.0%; Score 30; DB 14; Length 93;
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Db      23 HQRVH 27
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Search completed: March 19, 2004, 00:55:12  
Job time : 4.39506 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.75309 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-8  
Perfect score: 40  
Sequence: 1 TGEKPYK 7

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues  
Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications AA\*
- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
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  - 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
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  - 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
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  - 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
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  - 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	40	100.0	34	9	US-09-785-632A-25
3	40	100.0	46	14	US-10-029-386-29751
4	40	100.0	47	14	US-10-029-386-30721
5	40	100.0	48	14	US-10-029-386-29643
6	40	100.0	48	14	US-10-029-386-29844
7	40	100.0	51	14	US-10-029-386-29892
8	40	100.0	52	14	US-10-029-386-29011
9	40	100.0	53	14	US-10-029-386-28629
10	40	100.0	71	14	US-10-029-386-28469
11	40	100.0	73	9	US-09-867-550-2018
12	40	100.0	79	14	US-10-029-386-28542
13	40	100.0	79	14	US-10-029-386-33598
14	40	100.0	84	10	US-09-911-261A-30
15	40	100.0	84	14	US-10-057-408-30

16	40	100.0	90	14	US-10-209-194-10	Sequence 10, Appl
17	40	100.0	90	14	US-10-147-286-5	Sequence 5, Appl
18	40	100.0	90	14	US-10-303-686A-5	Sequence 5, Appl
19	40	100.0	90	15	US-10-395-816A-5	Sequence 5, Appl
20	40	100.0	96	14	US-10-029-386-32050	Sequence 32050, A
21	40	100.0	98	14	US-10-113-424-10	Sequence 10, Appl
22	40	100.0	99	10	US-09-911-261A-5	Sequence 5, Appl
23	40	100.0	99	10	US-09-911-261A-6	Sequence 8, Appl
24	40	100.0	99	10	US-09-911-261A-7	Sequence 7, Appl
25	40	100.0	99	10	US-09-911-261A-8	Sequence 8, Appl
26	40	100.0	99	10	US-09-911-261A-9	Sequence 9, Appl
27	40	100.0	99	10	US-09-911-261A-10	Sequence 10, Appl
28	40	100.0	99	14	US-10-057-408-5	Sequence 5, Appl
29	40	100.0	99	14	US-10-057-408-6	Sequence 7, Appl
30	40	100.0	99	14	US-10-057-408-7	Sequence 8, Appl
31	40	100.0	99	14	US-10-057-408-8	Sequence 9, Appl
32	40	100.0	99	14	US-10-057-408-9	Sequence 10, Appl
33	40	100.0	99	14	US-10-057-408-10	Sequence 10, Appl
34	40	100.0	99	14	US-10-029-386-30335	Sequence 30335, A
35	40	100.0	100	9	US-09-989-789-15	Sequence 15, Appl
36	40	100.0	100	10	US-09-846-033B-223	Sequence 223, App
37	40	100.0	100	10	US-09-990-186-15	Sequence 15, Appl
38	40	100.0	100	10	US-09-989-994-15	Sequence 15, Appl
39	40	100.0	100	14	US-10-006-069A-223	Sequence 223, App
40	40	100.0	104	9	US-09-764-864-1324	Sequence 1324, Ap
41	40	100.0	104	9	US-09-764-864-1382	Sequence 1382, Ap
42	40	100.0	104	15	US-10-074-024-352	Sequence 352, App
43	40	100.0	109	11	US-09-864-408A-5572	Sequence 5572, Ap
44	40	100.0	111	9	US-09-764-864-1502	Sequence 1502, Ap
45	40	100.0	111	10	US-09-764-891-4219	Sequence 4219, Ap

ALIGNMENTS

RESULT 1  
US-10-057-890A-8  
; Sequence 8, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION: Timothy  
; APPLICANT: Coleman, Timothy  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
; TITLE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 8  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-8

Query Match 100.0%; Score 40; DB 14; Length 7;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TGEKPYK 7  
Db 1 TGEKPYK 7

RESULT 2  
US-09-785-632A-25  
; Sequence 25, Application US/09785632A  
; Patent No. US20020061512A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Jin-Soo

•



APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEOmica-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 29844  
LENGTH: 48  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO CHR19.1  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.49  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.56  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.46  
OTHER INFORMATION: SWISSPROT HIT: Q14584, EVALUE 1.00e-22  
US-10-029-386-29844

Query Match 100.0%; Score 40; DB 14; Length 48;  
Best Local Similarity 100.0%; Pred. No. 0.99;  
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QY 1 TGEKPYK 7  
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DB 6 TGEKPYK 12

RESULT 7  
US-10-029-386-29892  
Sequence 29892, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEOmica-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 29892  
LENGTH: 51  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO CHR1.1  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.9  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.81  
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76  
OTHER INFORMATION: SWISSPROT HIT: Q9NTY6, EVALUE 1.00e-26  
US-10-029-386-29892

Query Match 100.0%; Score 40; DB 14; Length 51;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
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DB 11 TGEKPYK 17

RESULT 8  
US-10-029-386-29011  
Sequence 29011, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEOmica-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 29011  
LENGTH: 52  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO CHR1.1  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.54  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.5  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.44  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.96  
OTHER INFORMATION: SWISSPROT HIT: Q9UL59, EVALUE 7.00e-20  
US-10-029-386-29011

Query Match 100.0%; Score 40; DB 14; Length 52;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
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DB 22 TGEKPYK 28

RESULT 9  
US-10-029-386-28629  
Sequence 28629, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEOmica-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 28629  
LENGTH: 53  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO CHR19.1  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4  
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.7  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.99  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.8  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7  
OTHER INFORMATION: SWISSPROT HIT: P17024, EVALUE 6.00e-22  
US-10-029-386-28629

Query Match 100.0%; Score 40; DB 14; Length 53;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
|||||  
DB 9 TGEKPYK 15

RESULT 10  
US-10-029-386-28469  
; Sequence 28469, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Hanzel, David R.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 28469  
; LENGTH: 71  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR6.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.2  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.7  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.6  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.1  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.5  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.5  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9  
; OTHER INFORMATION: SWISSPROT HIT: Q15776, EVALUATE 2.00e-40  
US-10-029-386-28469

Query Match 100.0%; Score 40; DB 14; Length 71;  
Best Local Similarity 100.0%; Pred. No. 1.5;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
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Db 33 TGEKPYK 39

RESULT 11  
US-09-867-550-2018  
; Sequence 2018, Application US/09867550  
; Patent No. US20020082206A1  
; GENERAL INFORMATION:  
; APPLICANT: Leach, Martin D.  
; APPLICANT: Mehraban, Fuad,  
; APPLICANT: Conley, Pamela  
; APPLICANT: Law, Debbie  
; APPLICANT: Topper, James  
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 21402-013 (Cura-313)  
; CURRENT APPLICATION NUMBER: US/09/867,550  
; CURRENT FILING DATE: 2001-09-20  
; PRIOR APPLICATION NUMBER: USSN 60/208,427  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 2125  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2018  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-867-550-2018

Query Match 100.0%; Score 40; DB 9; Length 73;  
Best Local Similarity 100.0%; Pred. No. 1.5;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
|||||  
Db 17 TGEKPYK 23

RESULT 12  
US-10-029-386-28542  
; Sequence 28542, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Hanzel, David R.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 28542  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR19.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.79  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2  
; OTHER INFORMATION: SWISSPROT HIT: Q9Y2Q1, EVALUATE 4.00e-38  
US-10-029-386-28542

Query Match 100.0%; Score 40; DB 14; Length 79;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
|||||  
Db 7 TGEKPYK 13

RESULT 13  
US-10-029-386-33598  
; Sequence 33598, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Hanzel, David R.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 33598  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR1.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.8  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
; OTHER INFORMATION: SWISSPROT HIT: Q61116, EVALUATE 1.00e-41  
US-10-029-386-33598

Query Match 100.0%; Score 40; DB 14; Length 79;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7

Search completed: March 18, 2004, 00:55:12  
Job time : 4.75309 secs

Fri Mar 19 15:33:10 2004

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Db      5  TGEKPYK 11
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RESULT 14
US-09-911-261A-30
; Sequence 30, Application US/09911261A
; Publication NO. US20030134350A1
; GENERAL INFORMATION:
; APPLICANT: Sera, Takashi
; TITLE OF INVENTION: Zinc Finger Domain Recognition Code and Uses Thereof
; FILE REFERENCE: 109845.135
; CURRENT APPLICATION NUMBER: US/09/911,261A
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 60/220,060
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Zinc finger protein
; NAME/KEY: VARIANT
; LOCATION: (15)..(15)
; OTHER INFORMATION: Amino acid 15 is "Xaa" wherein "Xaa" = is any amino acid.
US-09-911-261A-30
Query Match      100.0%; Score 40; DB 10; Length 84;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TGEKPYK 7
|||||
Db      25  TGEKPYK 31

RESULT 15
US-10-057-408-30
; Sequence 30, Application US/10057408
; Publication NO. US20030082561A1
; GENERAL INFORMATION:
; APPLICANT: Sera, Takashi
; TITLE OF INVENTION: Zinc Finger Domain Recognition Code and Uses Thereof
; FILE REFERENCE: 109845.135
; CURRENT APPLICATION NUMBER: US/10/057,408
; CURRENT FILING DATE: 2002-01-23
; PRIOR APPLICATION NUMBER: US 60/220,060
; PRIOR FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Zinc finger protein
; NAME/KEY: VARIANT
; LOCATION: (15)..(15)
; OTHER INFORMATION: Amino acid 15 is "Xaa" wherein "Xaa" = is any amino acid.
US-10-057-408-30
Query Match      100.0%; Score 40; DB 14; Length 84;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TGEKPYK 7
|||||
Db      25  TGEKPYK 31
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GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.75309 Seconds  
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379.130 Million cell updates/sec

Title: US-10-057-890A-8

Perfect score: 40

Sequence: 1 TGEKPYK 7

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubaa/US07\_NEW\_PUB.pep.\*
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- 8: /cgn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep.\*
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- 10: /cgn2\_6/ptodata/1/pubaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubaa/US09C\_PUBCOMB.pep.\*
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- 13: /cgn2\_6/ptodata/1/pubaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40	100.0	7	14	US-10-057-890A-8
2	40	100.0	34	9	US-09-785-632A-25
3	40	100.0	46	14	US-10-029-386-29751
4	40	100.0	47	14	US-10-029-386-30721
5	40	100.0	48	14	US-10-029-386-29643
6	40	100.0	48	14	US-10-029-386-29844
7	40	100.0	51	14	US-10-029-386-29892
8	40	100.0	52	14	US-10-029-386-29011
9	40	100.0	53	14	US-10-029-386-28629
10	40	100.0	71	14	US-10-029-386-28469
11	40	100.0	73	9	US-09-867-550-2018
12	40	100.0	79	14	US-10-029-386-28542
13	40	100.0	79	14	US-10-029-386-33598
14	40	100.0	84	10	US-09-911-261A-30
15	40	100.0	84	14	US-10-057-408-30

16	40	100.0	90	14	US-10-209-194-10
17	40	100.0	90	14	US-10-147-286-5
18	40	100.0	90	14	US-10-303-688A-5
19	40	100.0	90	15	US-10-395-816A-5
20	40	100.0	96	14	US-10-029-386-32050
21	40	100.0	98	14	US-10-113-424-10
22	40	100.0	99	10	US-09-911-261A-5
23	40	100.0	99	10	US-09-911-261A-6
24	40	100.0	99	10	US-09-911-261A-7
25	40	100.0	99	10	US-09-911-261A-8
26	40	100.0	99	10	US-09-911-261A-9
27	40	100.0	99	10	US-09-911-261A-10
28	40	100.0	99	14	US-10-057-408-5
29	40	100.0	99	14	US-10-057-408-6
30	40	100.0	99	14	US-10-057-408-7
31	40	100.0	99	14	US-10-057-408-8
32	40	100.0	99	14	US-10-057-408-9
33	40	100.0	99	14	US-10-057-408-10
34	40	100.0	99	14	US-10-029-386-30335
35	40	100.0	100	9	US-09-989-789-15
36	40	100.0	100	10	US-09-846-0338-223
37	40	100.0	100	10	US-09-980-186-15
38	40	100.0	100	10	US-09-989-994-15
39	40	100.0	100	14	US-10-006-069A-223
40	40	100.0	104	9	US-09-764-864-1324
41	40	100.0	104	9	US-09-764-864-1382
42	40	100.0	104	15	US-10-074-024-352
43	40	100.0	109	11	US-09-864-408A-5572
44	40	100.0	111	9	US-09-764-864-1502
45	40	100.0	111	10	US-09-764-891-4219

ALIGNMENTS

RESULT 1

US-10-057-890A-8  
; Sequence 8, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION: Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same,  
; TITLE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-23  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 8  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-8

Query Match 100.0%; Score 40; DB 14; Length 7;

Best Local Similarity 100.0%; Pred. No. 9.5e+05; Indels 0; Gaps 0;  
Matches 7; Conservative 0; Mismatches 0;

Qy 1 TGEKPYK 7

Db 1 TGEKPYK 7

RESULT 2

US-09-785-632A-25  
; Sequence 25, Application US/09785632A  
; Patent No. US20020061512A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Jin-Soo

Mon Mar 22 07:57:06 2004

```

; APPLICANT: Kwon, Young Do
; APPLICANT: Kim, Hyun-Won
; APPLICANT: Ryu, Eun-Hyun
; APPLICANT: Hwang, Moon-Sun
; TITLE OF INVENTION: ZINC FINGER DOMAINS AND METHODS OF
; TITLE OF INVENTION: IDENTIFYING SAME
; FILE REFERENCE: 12279-002001
; CURRENT APPLICATION NUMBER: US/09/785,632A
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-785-632A-25

Query Match 100.0%; Score 40; DB 9; Length 34;
Best Local Similarity 100.0%; Pred. No. 0.7; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7
Db 1 TGEKPYK 7

RESULT 3
US-10-029-386-29751
; Sequence 29751, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29751
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 6.00e-19
US-10-029-386-29751

Query Match 100.0%; Score 40; DB 14; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.95; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7
Db 6 TGEKPYK 12

RESULT 4
US-10-029-386-30721
; Sequence 30721, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 30721
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
; OTHER INFORMATION: SWISSPROT HIT: Q03923, EVALUATE 3.00e-24
US-10-029-386-30721

Query Match 100.0%; Score 40; DB 14; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.97; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7
Db 4 TGEKPYK 10

RESULT 5
US-10-029-386-29643
; Sequence 29643, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29643
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR18.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.75
; OTHER INFORMATION: SWISSPROT HIT: Q14586, EVALUATE 1.00e-19
US-10-029-386-29643

Query Match 100.0%; Score 40; DB 14; Length 48;
Best Local Similarity 100.0%; Pred. No. 0.99; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7
Db 6 TGEKPYK 12

RESULT 6
US-10-029-386-29844
; Sequence 29844, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
```

```
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29844
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.49
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.56
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.46
; OTHER INFORMATION: SWISSPROT HIT: Q14584, EVALUE 1.00e-22
US-10-029-386-29844
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Query Match 100.0%; Score 40; DB 14; Length 48;
Best Local Similarity 100.0%; Pred. No. 0.99;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TGEKPYK 7
Db 6 TGEKPYK 12
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RESULT 7
US-10-029-386-29892
; Sequence 29892, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29892
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.9
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.81
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76
; OTHER INFORMATION: SWISSPROT HIT: Q9NVT6, EVALUE 1.00e-26
US-10-029-386-29892
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Query Match 100.0%; Score 40; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TGEKPYK 7
Db 11 TGEKPYK 17
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RESULT 8
US-10-029-386-29011
; Sequence 29011, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
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; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29011
; LENGTH: 52
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR1.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.54
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.44
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.96
; OTHER INFORMATION: SWISSPROT HIT: Q9UL59, EVALUE 7.00e-20
US-10-029-386-29011
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Query Match 100.0%; Score 40; DB 14; Length 52;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TGEKPYK 7
Db 22 TGEKPYK 28
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RESULT 9
US-10-029-386-28629
; Sequence 28629, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28629
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7
; OTHER INFORMATION: SWISSPROT HIT: P17024, EVALUE 6.00e-22
US-10-029-386-28629
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Query Match 100.0%; Score 40; DB 14; Length 53;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TGEKPYK 7
Db 9 TGEKPYK 15
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RESULT 10  
US-10-029-386-28469  
; Sequence 28469, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 28469  
; LENGTH: 71  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR6.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.2  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.7  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.6  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.1  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.5  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.5  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9  
; OTHER INFORMATION: SWISSPROT HIT: Q15776, EVALUATE 2.00e-40  
US-10-029-386-28469

Query Match 100.0%; Score 40; DB 14; Length 71;  
Best Local Similarity 100.0%; Pred. No. 1.5;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7  
Db 33 TGEKPYK 39

RESULT 11  
US-09-867-550-2018  
; Sequence 2018, Application US/09867550  
; Patent No. US20020082206A1  
; GENERAL INFORMATION:  
; APPLICANT: Leach, Martin D.  
; APPLICANT: Mehraban, Fuad,  
; APPLICANT: Conley, Pamela  
; APPLICANT: Law, Debbie  
; APPLICANT: Topper, James  
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and  
; FILE REFERENCE: 21402-013 (Cura-313)  
; CURRENT APPLICATION NUMBER: US/09/867,550  
; CURRENT FILING DATE: 2001-09-20  
; PRIOR APPLICATION NUMBER: USSN 60/208,427  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 2125  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2018  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-867-550-2018

Query Match 100.0%; Score 40; DB 9; Length 73;  
Best Local Similarity 100.0%; Pred. No. 1.5;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7  
Db 17 TGEKPYK 23

RESULT 12  
US-10-029-386-28542  
; Sequence 28542, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 28542  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR19.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.79  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2  
; OTHER INFORMATION: SWISSPROT HIT: Q9Y2Q1, EVALUATE 4.00e-38  
US-10-029-386-28542

Query Match 100.0%; Score 40; DB 14; Length 79;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7  
Db 7 TGEKPYK 13

RESULT 13  
US-10-029-386-33598  
; Sequence 33598, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: AEOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 33598  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO CHR1.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
; OTHER INFORMATION: SWISSPROT HIT: Q61116, EVALUATE 1.00e-41  
US-10-029-386-33598

Query Match 100.0%; Score 40; DB 14; Length 79;  
Best Local Similarity 100.0%; Pred. No. 1.6;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGEKPYK 7

Search completed: March 18, 2004, 00:55:12  
Job time : 4.75309 secs

Db 5 TGEKPYK 11  
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RESULT 14  
US-09-911-261A-30  
; Sequence 30, Application US/09911261A  
; Publication No. US20030134350A1  
; GENERAL INFORMATION:  
; APPLICANT: Sera, Takashi  
; TITLE OF INVENTION: Zinc Finger Domain Recognition Code and Uses Thereof  
; FILE REFERENCE: 109845.135  
; CURRENT APPLICATION NUMBER: US/09/911.261A  
; CURRENT FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: US 60/220,060  
; PRIOR FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 30  
; LENGTH: 84  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Zinc finger protein  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (15)..(15)  
; OTHER INFORMATION: Amino acid 15 is "Xaa" wherein "Xaa" = is any amino acid.  
US-09-911-261A-30

Query Match 100.0%; Score 40; DB 10; Length 84;  
Best Local Similarity 100.0%; Pred. No. 1.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
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Db 25 TGEKPYK 31

RESULT 15  
US-10-057-408-30  
; Sequence 30, Application US/10057408  
; Publication No. US20030082561A1  
; GENERAL INFORMATION:  
; APPLICANT: Sera, Takashi  
; TITLE OF INVENTION: Zinc Finger Domain Recognition Code and Uses Thereof  
; FILE REFERENCE: 109845.135  
; CURRENT APPLICATION NUMBER: US/10/057,408  
; CURRENT FILING DATE: 2002-01-23  
; PRIOR APPLICATION NUMBER: US 60/220,060  
; PRIOR FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 30  
; LENGTH: 84  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Zinc finger protein  
; NAME/KEY: VARIANT  
; LOCATION: (15)..(15)  
; OTHER INFORMATION: Amino acid 15 is "Xaa" wherein "Xaa" = is any amino acid.  
US-10-057-408-30

Query Match 100.0%; Score 40; DB 14; Length 84;  
Best Local Similarity 100.0%; Pred. No. 1.7;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGEKPYK 7  
|||||  
Db 25 TGEKPYK 31



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 93.7037 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-10  
Perfect score: 797  
Sequence: 1 MDYQSSPIYDINITYSEPC.....GLNCCSSNRLDGHQVHAA 138

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
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- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
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- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB ID	Description
1	797	100.0	138	14	US-10-057-890A-10	Sequence 10, Appl
2	797	100.0	157	14	US-10-057-890A-31	Sequence 31, Appl
3	379	47.6	352	9	US-09-725-285-2	Sequence 2, Appl
4	379	47.6	352	9	US-09-759-841-2	Sequence 2, Appl
5	379	47.6	352	9	US-09-779-879A-22	Sequence 22, Appl
6	379	47.6	352	9	US-09-779-880A-22	Sequence 22, Appl
7	379	47.6	352	9	US-09-813-653-15	Sequence 15, Appl
8	379	47.6	352	9	US-09-813-653-17	Sequence 17, Appl
9	379	47.6	352	9	US-09-796-202-1	Sequence 1, Appl
10	379	47.6	352	9	US-09-195-662A-2	Sequence 2, Appl
11	379	47.6	352	9	US-09-339-312A-2	Sequence 5, Appl
12	379	47.6	352	9	US-09-938-719-5	Sequence 5, Appl
13	379	47.6	352	9	US-09-938-226-5	Sequence 5, Appl
14	379	47.6	352	9	US-09-938-703-5	Sequence 5, Appl
15	379	47.6	352	9	US-09-502-783A-2	Sequence 2, Appl

16	379	47.6	352	10	US-09-734-221A-14	Sequence 14, Appl
17	379	47.6	352	11	US-09-826-509-477	Sequence 477, Appl
18	379	47.6	352	13	US-10-106-623-2	Sequence 2, Appl
19	379	47.6	352	14	US-10-232-686-2	Sequence 1, Appl
20	379	47.6	352	14	US-10-086-814-1	Sequence 22, Appl
21	379	47.6	352	14	US-10-067-800-22	Sequence 6, Appl
22	379	47.6	352	14	US-10-290-058A-6	Sequence 352, Appl
23	379	47.6	352	14	US-10-225-567A-352	Sequence 1, Appl
24	379	47.6	352	14	US-10-323-314-1	Sequence 1, Appl
25	379	47.6	352	14	US-10-072-301-1	Sequence 1, Appl
26	379	47.6	352	14	US-10-071-866-1	Sequence 22, Appl
27	379	47.6	352	14	US-10-135-839-22	Sequence 67, Appl
28	379	47.6	352	14	US-10-239-423-67	Sequence 4, Appl
29	379	47.6	352	14	US-10-439-845-4	Sequence 1, Appl
30	379	47.6	352	15	US-10-360-828-1	Sequence 52, Appl
31	374	46.9	352	14	US-10-164-649-52	Sequence 2, Appl
32	374	46.9	352	14	US-10-439-845-2	Sequence 2, Appl
33	373	46.8	352	9	US-09-779-879A-2	Sequence 2, Appl
34	373	46.8	352	9	US-09-779-880A-2	Sequence 2, Appl
35	373	46.8	352	14	US-10-067-800-2	Sequence 2, Appl
36	373	46.8	352	14	US-10-135-839-2	Sequence 20, Appl
37	363	45.5	352	13	US-10-106-623-20	Sequence 4, Appl
38	258	32.4	184	9	US-09-938-719-4	Sequence 4, Appl
39	258	32.4	184	9	US-09-938-226-4	Sequence 4, Appl
40	258	32.4	184	9	US-09-938-703-4	Sequence 6, Appl
41	258	32.4	215	9	US-09-938-719-6	Sequence 6, Appl
42	258	32.4	215	9	US-09-938-226-6	Sequence 6, Appl
43	258	32.4	215	9	US-09-938-703-6	Sequence 6, Appl
44	183.5	23.0	332	14	US-10-095-876A-2	Sequence 2, Appl
45	182	22.8	32	14	US-10-057-890A-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1  
US-10-057-890A-10  
; Sequence 10, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an  
; TITLE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 10  
; LENGTH: 138  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-10

Query Match 100.0%; Score 797; DB 14; Length 138;  
Best Local Similarity 100.0%; Pred. No. 3.9e-71;  
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 MDYQSSPIYDINITYSEPCQKINVKQIAAYKCGLCARAAQWDFGNTWCORVHGHHS 60  
QY 61 YKGLCTRSQKEGLHYTCSSHFPYQYQWKNFQTLKHQHVHGGGYSYKGLCQEFFGL 120  
DB 61 YKGLCTRSQKEGLHYTCSSHFPYQYQWKNFQTLKHQHVHGGGYSYKGLCQEFFGL 120  
QY 121 NNCSSNRLDGHQVHAA 138  
DB 121 NNCSSNRLDGHQVHAA 138

RESULT 2  
US-10-057-890A-31  
; Sequence 31, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
; FILE REFERENCE: P2537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 31  
; LENGTH: 157  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-31

Query Match 100.0%; Score 797; DB 14; Length 157;  
Best Local Similarity 100.0%; Pred. No. 4.5e-71;  
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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QY 61 YKGLCTRQKSGELHYTCSSHFYSQYQWKNFQTLKHQVHGGGYSYKGLCQBFGL 120  
DB 80 YKGLCTRQKSGELHYTCSSHFYSQYQWKNFQTLKHQVHGGGYSYKGLCQBFGL 139  
QY 121 NCGSSNRLDGHQVHAA 138  
DB 140 NCGSSNRLDGHQVHAA 157

RESULT 3  
US-09-725-285-2  
; Sequence 2, Application US/09725285  
; Patent No. US20010000241A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10  
; FILE REFERENCE: 1488.1150003  
; CURRENT APPLICATION NUMBER: US/09/725,285  
; CURRENT FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 09/339,912  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: 09/195,662  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; FEATURE:  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-725-285-2

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINVTSEPCQKINVKQIAA----- 30  
DB 1 MDYQSSPIYDINVTSEPCQKINVKQIAA----- 60  
QY 31 -----YKGLC----- 64  
DB 61 LKSWTDIYLLNLALISDLFFLLITVPFWAHYAAQWDFGNTWC--QLLTGLYFIFGFSGIF 118  
QY 65 -----LCTRSQKGLHYTC 78  
DB 119 IILLTIDRYLAVHVAFAKARTVTGVTVTWVAVFASLPGLIIFTRSQKGLHYTC 178  
QY 79 SSHFYSQYQWKNFQTLK----- 105  
DB 179 SSHFYSQYQWKNFQTLKIVILGLVPLVWVICYSGLKTLKCRNEKKRRAVRLIF 238  
QY 106 -----GGSYKGLC----- 135  
DB 239 TIMIVYFLFWAPYNTVILLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 4  
US-09-759-841-2  
; Sequence 2, Application US/09759841  
; Patent No. US20010039026A1  
; GENERAL INFORMATION:  
; APPLICANT: Rickett, Graham A  
; APPLICANT: Dobbs, Susan  
; TITLE OF INVENTION: Assay Method  
; FILE REFERENCE: PC10348ADME  
; CURRENT APPLICATION NUMBER: US/09/759,841  
; CURRENT FILING DATE: 2001-01-12  
; PRIOR APPLICATION NUMBER: GB 0000661.9  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000663.5  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000659.3  
; PRIOR FILING DATE: 2000-01-12  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-759-841-2

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
QY 1 MDYQSSPIYDINVTSEPCQKINVKQIAA----- 30  
DB 1 MDYQSSPIYDINVTSEPCQKINVKQIAA----- 60  
QY 31 -----YKGLC----- 64  
DB 61 LKSWTDIYLLNLALISDLFFLLITVPFWAHYAAQWDFGNTWC--QLLTGLYFIFGFSGIF 118  
QY 65 -----LCTRSQKGLHYTC 78  
DB 119 IILLTIDRYLAVHVAFAKARTVTGVTVTWVAVFASLPGLIIFTRSQKGLHYTC 178  
QY 79 SSHFYSQYQWKNFQTLK----- 105  
DB 179 SSHFYSQYQWKNFQTLKIVILGLVPLVWVICYSGLKTLKCRNEKKRRAVRLIF 238  
QY 106 -----GGSYKGLC----- 135  
DB 239 TIMIVYFLFWAPYNTVILLNTFQEFFGLNCCSSNRLDQAMQV 281

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RESULT 5
US-09-779-879A-22
; Sequence 22, Application US/09779879A
; Patent No. US20020048786A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Roschke, Viktor
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRS) HDGMR10
; FILE REFERENCE: 1488.115000A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,258
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 60/187,999
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: US 60/234,336
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 22
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-779-879A-22

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSLVFIFGVGNMLVILINCKR 60
QY 31 -----YKGLC----- 64
DB 61 LKSMTDIYLLNLALISDLFELLTVFPFAHAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118
QY 65 ----- 105
DB 119 IILLTDRLAVVHAFVALKARTVTGVTSTVITWVAFASLPGLIIFTRSQEGLHYTC 178
QY 79 SSHFPYQYQFKNFOTLKI-----LCTRSQEGHLHYTC 78
DB 179 SSHFPYQYQFKNFOTLKIIVILGLVPLLMVVCYSGILTKLLRCNEKGRHRAVLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCSNNRLDGHQV 135
DB 239 TIMIVYFLWAPYNTVLLNTFQEFFGLNCSNNRLDQMQV 281

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSLVFIFGVGNMLVILINCKR 60
QY 31 -----YKGLC----- 64
DB 61 LKSMTDIYLLNLALISDLFELLTVFPFAHAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118
QY 65 ----- 105
DB 119 IILLTDRLAVVHAFVALKARTVTGVTSTVITWVAFASLPGLIIFTRSQEGLHYTC 178
QY 79 SSHFPYQYQFKNFOTLKI-----LCTRSQEGHLHYTC 78
DB 179 SSHFPYQYQFKNFOTLKIIVILGLVPLLMVVCYSGILTKLLRCNEKGRHRAVLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCSNNRLDGHQV 135
DB 239 TIMIVYFLWAPYNTVLLNTFQEFFGLNCSNNRLDQMQV 281

RESULT 6
US-09-779-880A-22
; Sequence 22, Application US/09779880A
; Patent No. US20020061834A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A.
; APPLICANT: Roschke, Viktor
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRS) HDGMR10
; FILE REFERENCE: 1488.115000C
; CURRENT APPLICATION NUMBER: US/09/779,880A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,258
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 60/187,999
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: US 60/234,336
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Patent in version 3.0

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; SEQ ID NO 22
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-779-880A-22

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSLVFIFGVGNMLVILINCKR 60
QY 31 -----YKGLC----- 64
DB 61 LKSMTDIYLLNLALISDLFELLTVFPFAHAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118
QY 65 ----- 105
DB 119 IILLTDRLAVVHAFVALKARTVTGVTSTVITWVAFASLPGLIIFTRSQEGLHYTC 178
QY 79 SSHFPYQYQFKNFOTLKI-----LCTRSQEGHLHYTC 78
DB 179 SSHFPYQYQFKNFOTLKIIVILGLVPLLMVVCYSGILTKLLRCNEKGRHRAVLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCSNNRLDGHQV 135
DB 239 TIMIVYFLWAPYNTVLLNTFQEFFGLNCSNNRLDQMQV 281

RESULT 7
US-09-813-653-15
; Sequence 15, Application US/09813653
; Patent No. US20020064770A1
; GENERAL INFORMATION:
; APPLICANT: Nestor, John
; APPLICANT: Wilson, Carol
; APPLICANT: See, Raymond
; APPLICANT: Tan Hehir, Christina
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds
; FILE REFERENCE: CNS-005
; CURRENT APPLICATION NUMBER: US/09/813,653
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: US 60/190,946
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/190,996
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/191,299
; PRIOR FILING DATE: 2000-03-21
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 15
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-813-653-15

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSLVFIFGVGNMLVILINCKR 60
QY 31 -----YKGLC----- 64
DB 61 LKSMTDIYLLNLALISDLFELLTVFPFAHAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118
QY 65 ----- 105
DB 119 IILLTDRLAVVHAFVALKARTVTGVTSTVITWVAFASLPGLIIFTRSQEGLHYTC 178

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QY 79 SSHFPYQYQFKNFQTLKI-----HORVHG----- 105
Db 179 SSHFPYQYQFKNFQTLKIIVILGLVPLVWVVCYSGILKTLRCNKKRRAVRLIF 238
QY 106'-----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 8
US-09-813-653-17
; Sequence 17, Application US/09813653
; Patent No. US20020064770A1
; GENERAL INFORMATION:
; APPLICANT: Nestor, John
; APPLICANT: Wilson, Carol
; APPLICANT: See, Raymond
; APPLICANT: Tan Henir, Christina
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds
; FILE REFERENCE: CNS-005
; CURRENT APPLICATION NUMBER: US/09/813.653
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: US 60/190,946
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/190,996
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/191,299
; PRIOR FILING DATE: 2000-03-21
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-813-653-17

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIYDINYITSEPCOKINVKQIAA----- 30
Db 1 MDYQVSSPIYDINYITSEPCOKINVKQIAARLLPPLYSILVTFGFGVGNMLVILLINCKR 60
QY 31 -----YKCGLC-----AAAQWDFGNTMCOHQRVHGHHSYKCG--- 64
Db 61 LKSMTDIYLLNLAIISDLFFLLTPFWAHYAAQWDFGNTMC--QLLTGLYFIGFSGIFF 118
QY 65 -----LCTRSQKGLHYTC 78
Db 119 ILLITDRLAVHVAHFALKARTVTFGVTSVITWVAVFASLPGLITFTRSQKGLHYTC 178
QY 79 SSHFPYQYQFKNFQTLKI-----HORVHG----- 105
Db 179 SSHFPYQYQFKNFQTLKIIVILGLVPLVWVVCYSGILKTLRCNKKRRAVRLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 9
US-09-796-202-1
; Sequence 1, Application US/09796202
; Patent No. US20020068813A1
; GENERAL INFORMATION:
; APPLICANT: Dragic, Tatjana
; APPLICANT: Olson, William
; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION
; FILE REFERENCE: 2048/61010/JFW/SHS
; CURRENT APPLICATION NUMBER: US/09/796,202
; CURRENT FILING DATE: 2001-02-28
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; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 352
; TYPE: PRT
; ORGANISM: human
US-09-796-202-1

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIYDINYITSEPCOKINVKQIAA----- 30
Db 1 MDYQVSSPIYDINYITSEPCOKINVKQIAARLLPPLYSILVTFGFGVGNMLVILLINCKR 60
QY 31 -----YKCGLC-----AAAQWDFGNTMCOHQRVHGHHSYKCG--- 64
Db 61 LKSMTDIYLLNLAIISDLFFLLTPFWAHYAAQWDFGNTMC--QLLTGLYFIGFSGIFF 118
QY 65 -----LCTRSQKGLHYTC 78
Db 119 ILLITDRLAVHVAHFALKARTVTFGVTSVITWVAVFASLPGLITFTRSQKGLHYTC 178
QY 79 SSHFPYQYQFKNFQTLKI-----HORVHG----- 105
Db 179 SSHFPYQYQFKNFQTLKIIVILGLVPLVWVVCYSGILKTLRCNKKRRAVRLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 10
US-09-195-662A-2
; Sequence 2, Application US/09195662A
; Patent No. US20020076745A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor HDGMR10 (CCR5 Receptor)
; FILE REFERENCE: 1488.1150002
; CURRENT APPLICATION NUMBER: US/09/195,662A
; CURRENT FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Artificial Sequence: Genomic
; FEATURE:
; OTHER INFORMATION: Deduced Amino Acid Sequence
US-09-195-662A-2

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIYDINYITSEPCOKINVKQIAA----- 30
Db 1 MDYQVSSPIYDINYITSEPCOKINVKQIAARLLPPLYSILVTFGFGVGNMLVILLINCKR 60
QY 31 -----YKCGLC-----AAAQWDFGNTMCOHQRVHGHHSYKCG--- 64
Db 61 LKSMTDIYLLNLAIISDLFFLLTPFWAHYAAQWDFGNTMC--QLLTGLYFIGFSGIFF 118
QY 65 -----LCTRSQKGLHYTC 78
Db 119 ILLITDRLAVHVAHFALKARTVTFGVTSVITWVAVFASLPGLITFTRSQKGLHYTC 178
QY 79 SSHFPYQYQFKNFQTLKI-----HORVHG----- 105
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Db 179 SSHFPYSQYQFWKQFQTLKIVILGLVLLVWVVCYSGILKTLRCRNEKRRHRAVLIF 238
Qy 106 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 11
US-09-339-912A-2
; Sequence 2, Application US/0933912A
; Patent No. US20020099176A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGMR10
; TITLE OF INVENTION: (CCR5 Receptor)
; FILE REFERENCE: 1488.1150003
; CURRENT APPLICATION NUMBER: US/09/339,912A
; CURRENT FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/195,662
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Artificial Sequence: Genomic
; FEATURE:
; OTHER INFORMATION: Deduced Amino Acid Sequence
US-09-339-912A-2

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

Qy 1 MDYQSSPIYDINTYTSEPCKINVKQIAA----- 30
Db 1 MDYQSSPIYDINTYTSEPCKINVKQIAARLLPPLYSLVTFVFGVGNMLVILINCKR 60
Qy 31 -----YKCGLC-----AAAQWDGNTMCOHQRVHGHHSYKCG--- 64
Db 61 LKSMTDIYLLNLATISDLFFLLTPFWAHYAAQWDFGNTWC--QLLTGLYFIGFSGIFF 118
Qy 65 -----LCTRSQKEGLHYTC 78
Db 119 ILLITDRYLAHVHAFKARTVTVGVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178
Qy 79 SSHFPYSQYQFWKQFQTLKIVILGLVLLVWVVCYSGILKTLRCRNEKRRHRAVLIF 238
Db 179 SSHFPYSQYQFWKQFQTLKIVILGLVLLVWVVCYSGILKTLRCRNEKRRHRAVLIF 238
Qy 106 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 12
US-09-938-719-5
; Sequence 5, Application US/09938719
; Patent No. US20020106742A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARMENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
```

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; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION NUMBER: US/09/938,719
; FILING DATE: 24-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 27-JULY-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-938-719-5

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

Qy 1 MDYQSSPIYDINTYTSEPCKINVKQIAA----- 30
Db 1 MDYQSSPIYDINTYTSEPCKINVKQIAARLLPPLYSLVTFVFGVGNMLVILINCKR 60
Qy 31 -----YKCGLC-----AAAQWDGNTMCOHQRVHGHHSYKCG--- 64
Db 61 LKSMTDIYLLNLATISDLFFLLTPFWAHYAAQWDFGNTWC--QLLTGLYFIGFSGIFF 118
Qy 65 -----LCTRSQKEGLHYTC 78
Db 119 ILLITDRYLAHVHAFKARTVTVGVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178
Qy 79 SSHFPYSQYQFWKQFQTLKIVILGLVLLVWVVCYSGILKTLRCRNEKRRHRAVLIF 238
Db 179 SSHFPYSQYQFWKQFQTLKIVILGLVLLVWVVCYSGILKTLRCRNEKRRHRAVLIF 238
Qy 106 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 135
Db 239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 13
US-09-939-226-5
; Sequence 5, Application US/09939226
; Patent No. US20020110805A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARMENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
```

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; ZIP: 92660
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/939,226
; FILING DATE: 24-AUG-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 2000-07-27
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-939-226-5

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYITSEPCOKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYITSEPCOKINVKQIAARLLPLYSLVIFGFVGNMVLILINCKR 60
QY 31 -----YKGLC-----AAQWDFGNTWCQORVGHGHHHSYKCG--- 64
DB 61 LKSMTDIYLLNLAISDLFFLLTVFWAHYAAAQWDFGNTWC--QLLTGLYTFGFGSIF 118
QY 65 -----LCTRSQKEGLHYTC 78
DB 119 ILLTDIYLVAVHAFKARTVTVGVTSVITWVAVFASLPGLIFTRSQKEGLHYTC 178
QY 79 SSHFPYSQYQFKNFQTLKI-----HQRVHGG----- 105
DB 179 SSHFPYSQYQFKNFQTLKIVILGLVPLLVVVICYSGLKTLRCRNEKRRHRAVLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135
DB 239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 14
US-09-938-703-5
; Sequence 5, Application US/0938703
; Patent No. US20020110870A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; PARMENTIER, MARC
; VASSART, GILBERT
; LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/938,703
; FILING DATE: 24-AUG-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 2000-07-27
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-938-703-5

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQSSPIYDINYITSEPCOKINVKQIAA----- 30
DB 1 MDYQSSPIYDINYITSEPCOKINVKQIAARLLPLYSLVIFGFVGNMVLILINCKR 60
QY 31 -----YKGLC-----AAQWDFGNTWCQORVGHGHHHSYKCG--- 64
DB 61 LKSMTDIYLLNLAISDLFFLLTVFWAHYAAAQWDFGNTWC--QLLTGLYTFGFGSIF 118
QY 65 -----LCTRSQKEGLHYTC 78
DB 119 ILLTDIYLVAVHAFKARTVTVGVTSVITWVAVFASLPGLIFTRSQKEGLHYTC 178
QY 79 SSHFPYSQYQFKNFQTLKI-----HQRVHGG----- 105
DB 179 SSHFPYSQYQFKNFQTLKIVILGLVPLLVVVICYSGLKTLRCRNEKRRHRAVLIF 238
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135
DB 239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 15
US-09-502-783A-2
; Sequence 2, Application US/09502783A
; Patent No. US20020132269A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein Chemokine Receptor (CCR)
; TITLE OF INVENTION: HDGR10
; FILE REFERENCE: 1488.1150006
; CURRENT APPLICATION NUMBER: US/09/502,783A
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-783A-2

Query Match 47.6%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.2e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

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Db 1 MDYQVSSPIYDINYYTSEPCOKINVKQIAA----- 60  
QY 31 -----YKCGLC-----AAQWDFGNTMCOHQRVHGHHSYKCG--- 64  
Db 61 LKSMTDIYLLNLAISDLFFLLTVFPWAHAAAAQWDFGNTMC--QLLTGLYFTGFFSGIFF 118  
QY 65 -----LCTRSQKGLHYTC 78  
Db 119 IILLTIDRYLAVHAFKARTVTFGVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178  
QY 79 SSHFPYQYQFWMNFQTLX-----HQRVHGG----- 105  
Db 179 SSHFPYQYQFWMNFQTLXIVILGLVPLVWVICYSGILKTLRCRNEKRRVRLIF 238  
QY 106 -----GGSYKCGLC-----QBFGLNCCSSNRLDGHQRY 135  
Db 239 TIMIVYFLWAPYNIYVLLNTFQBFGLNCCSSNRLDQAMQV 281

Search completed: March 18, 2004, 00:55:13  
Job time : 94.7037 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 93.7037 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-10

Perfect score: 797

Sequence: 1 MDQVSSPIYDINTYSEPC.....GLNCCSSNRDLGQRVHAA 138

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/prodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	797	100.0	138	14	US-10-057-890A-10
2	797	100.0	157	14	US-10-057-890A-31
3	379	47.6	352	9	US-09-725-285-2
4	379	47.6	352	9	US-09-759-841-2
5	379	47.6	352	9	US-09-779-879A-22
6	379	47.6	352	9	US-09-779-880A-22
7	379	47.6	352	9	US-09-813-653-15
8	379	47.6	352	9	US-09-813-653-17
9	379	47.6	352	9	US-09-796-202-1
10	379	47.6	352	9	US-09-195-662A-2
11	379	47.6	352	9	US-09-339-912A-2
12	379	47.6	352	9	US-09-938-719-5
13	379	47.6	352	9	US-09-939-226-5
14	379	47.6	352	9	US-09-938-703-5
15	379	47.6	352	9	US-09-502-783A-2

Sequence 14, Appli  
Sequence 477, App  
Sequence 2, Appli  
Sequence 2, Appli  
Sequence 1, Appli  
Sequence 22, Appli  
Sequence 6, Appli  
Sequence 352, App  
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Sequence 22, Appli  
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Sequence 4, Appli  
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Sequence 13, Appli

16 379 47.6 352 10 US-09-734-221A-14  
17 379 47.6 352 11 US-09-826-509-477  
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19 379 47.6 352 14 US-10-232-686-2  
20 379 47.6 352 14 US-10-086-814-1  
21 379 47.6 352 14 US-10-067-800-22  
22 379 47.6 352 14 US-10-290-058A-6  
23 379 47.6 352 14 US-10-225-567A-352  
24 379 47.6 352 14 US-10-323-314-1  
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26 379 47.6 352 14 US-10-071-866-1  
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31 374 46.9 352 14 US-10-164-649-52  
32 374 46.9 352 14 US-10-439-845-2  
33 373 46.8 352 9 US-09-779-879A-2  
34 373 46.8 352 9 US-09-779-880A-2  
35 373 46.8 352 14 US-10-067-800-2  
36 373 46.8 352 14 US-10-135-839-2  
37 363 45.5 352 13 US-10-106-623-20  
38 258 32.4 184 9 US-09-938-719-4  
39 258 32.4 184 9 US-09-939-226-4  
40 258 32.4 184 9 US-09-938-703-4  
41 258 32.4 215 9 US-09-938-719-6  
42 258 32.4 215 9 US-09-939-226-6  
43 258 32.4 215 9 US-09-938-703-6  
44 183.5 23.0 332 14 US-10-095-876A-2  
45 182 22.8 32 14 US-10-057-890A-13

#### ALIGNMENTS

#### RESULT 1

US-10-057-890A-10  
; Sequence 10, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION: Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, a  
; TITLE OF INVENTION: Using the Same.  
; FILE REFERENCE: PFS37  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 10  
; LENGTH: 138  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-10

Query Match 100.0%; Score 797; DB 14; Length 138;  
Best Local Similarity 100.0%; Pred. No. 3.9e-71;  
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDQVSSPIYDINTYSEPCQKINVKQIAAYKGLCAAQWDFGNMTCQHORVHGHHS 60

QY 61 YKGLCTRSQKGLHYTCSSHPFYSQYQFWNFKIQRVHGGGYSKGLCQCFGL 120  
DB 61 YKGLCTRSQKGLHYTCSSHPFYSQYQFWNFKIQRVHGGGYSKGLCQCFGL 120

QY 121 NNCSSNRDLGQRVHAA 138  
DB 121 NNCSSNRDLGQRVHAA 138



RESULT 2  
US-10-057-890A-31  
; Sequence 31, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
; FILE REFERENCE: of Using the Same.  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 31  
; LENGTH: 157  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-31

Query Match 100.0%; Score 797; DB 14; Length 157;  
Best Local Similarity 100.0%; Pred. No. 4.5e-71; Indels 0; Gaps 0;  
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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QY 61 YKGLCTRSQKGLHYTCSSHPYQYQWKNFOTLKHORVHGSGSYKGLCOEPPGL 120  
DB 80 YKGLCTRSQKGLHYTCSSHPYQYQWKNFOTLKHORVHGSGSYKGLCOEPPGL 139  
QY 121 NNCSSNRLDGHQVHAA 138  
DB 140 NNCSSNRLDGHQVHAA 157

RESULT 3  
US-09-725-285-2  
; Sequence 2, Application US/09725285  
; Patent No. US20010000241A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGMR10  
; FILE REFERENCE: 1488.1150003  
; CURRENT APPLICATION NUMBER: US/09/725,285  
; CURRENT FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 09/339,912  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: 09/195,662  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; FEATURE:  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-725-285-2

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA--- 30  
DB 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA--- 60  
QY 31 -----YKGLC----- 64  
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QY 65 -----LCTRSQKGLHYTC 78  
DB 119 ILLITDRYLAVHVAFAKARTVTFGVVTSVITVVAVFASLPGIIFTRSQKGLHYTC 178  
QY 79 SSHPYQYQWKNFOTLKI-----HORVHG-- 105  
DB 179 SSHPYQYQWKNFOTLKIIVGLVPLLVWVICYSGILKTLRCNKKRRAVRLIF 238  
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135  
DB 239 TIMIVYFLFWAPYNTVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 4  
US-09-759-841-2  
; Sequence 2, Application US/09759841  
; Patent No. US20010039026A1  
; GENERAL INFORMATION:  
; APPLICANT: Rickett, Graham A  
; APPLICANT: Dobbs, Susan  
; APPLICANT: Perros, Manoussos  
; TITLE OF INVENTION: Assay Method  
; FILE REFERENCE: PC10348APME  
; CURRENT APPLICATION NUMBER: US/09/759,841  
; CURRENT FILING DATE: 2001-01-12  
; PRIOR APPLICATION NUMBER: GB 0000661.9  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000663.5  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000659.3  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: Patent in Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-759-841-2

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA--- 30  
DB 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA--- 60  
QY 31 -----YKGLC----- 64  
DB 61 LKSMTDIYLLNLALSDLLFLLVFPWAHAAQWDFGNTWC--QLLTGLYFIFGFFGIF 118  
QY 65 -----LCTRSQKGLHYTC 78  
DB 119 ILLITDRYLAVHVAFAKARTVTFGVVTSVITVVAVFASLPGIIFTRSQKGLHYTC 178  
QY 79 SSHPYQYQWKNFOTLKI-----HORVHG-- 105  
DB 179 SSHPYQYQWKNFOTLKIIVGLVPLLVWVICYSGILKTLRCNKKRRAVRLIF 238  
QY 106 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 135  
DB 239 TIMIVYFLFWAPYNTVLLNTFQEFFGLNCCSSNRLDQAMQV 281

## RESULT 5

US-09-779-879A-22  
; Sequence 22, Application US/09779879A  
; Patent No. US20020048786A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRs) HDGMR10  
; FILE REFERENCE: 1488.115000A  
; CURRENT APPLICATION NUMBER: US/09/779,879A  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: US 60/181,258  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/187,999  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/234,336  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-879A-22

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

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QY 31 -----YKCGLC-----AAAQWDFGNTMCOHORVHGHHSYKCG--- 64  
DB 61 LKSMTDIYLLNLAISDLFLLTVFPFAHAAQWDFGNTMC--QLLTGLYFIQFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
DB 119 IILLTDIYLAHVAVFALKARTVTFGVVTSVITWVAVFASLFGIIFTRSQKEGLHYTC 178  
QY 79 SSHFPYQYQWKNFOTLKI-----HORVHG----- 105  
DB 179 SSHFPYQYQWKNFOTLKIIVILGLVPLVWVICYSGLTKLLRCNEKKRHRAVRLIF 238  
QY 106 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHORV 135  
DB 239 TIMIVYFLWAPYNIIVLLNTFQEFFGLNCCSSNRLDQAMQV 281  
RESULT 6  
US-09-779-880A-22  
; Sequence 22, Application US/09779880A  
; Patent No. US20020061834A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRs) HDGMR10  
; FILE REFERENCE: 1488.115000C  
; CURRENT APPLICATION NUMBER: US/09/779,880A  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: US 60/181,258  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/187,999  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/234,336  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: Patent in version 3.0

; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-880A-22

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

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DB 1 MDYQVSSPIVDINYTSEPCQKINVKQIAARLLPLYSLVIFGFGVGNMLVILINCKR 60  
QY 31 -----YKCGLC-----AAAQWDFGNTMCOHORVHGHHSYKCG--- 64  
DB 61 LKSMTDIYLLNLAISDLFLLTVFPFAHAAQWDFGNTMC--QLLTGLYFIQFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
DB 119 IILLTDIYLAHVAVFALKARTVTFGVVTSVITWVAVFASLFGIIFTRSQKEGLHYTC 178  
QY 79 SSHFPYQYQWKNFOTLKI-----HORVHG----- 105  
DB 179 SSHFPYQYQWKNFOTLKIIVILGLVPLVWVICYSGLTKLLRCNEKKRHRAVRLIF 238  
QY 106 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHORV 135  
DB 239 TIMIVYFLWAPYNIIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

## RESULT 7

US-09-813-653-15  
; Sequence 15, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan, Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT APPLICATION NUMBER: US/09/813,653  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,946  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/190,996  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,299  
; PRIOR FILING DATE: 2000-03-21  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 15  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-15

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 1 MDYQVSSPIVDINYTSEPCQKINVKQIAA----- 30  
DB 1 MDYQVSSPIVDINYTSEPCQKINVKQIAARLLPLYSLVIFGFGVGNMLVILINCKR 60  
QY 31 -----YKCGLC-----AAAQWDFGNTMCOHORVHGHHSYKCG--- 64  
DB 61 LKSMTDIYLLNLAISDLFLLTVFPFAHAAQWDFGNTMC--QLLTGLYFIQFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
DB 119 IILLTDIYLAHVAVFALKARTVTFGVVTSVITWVAVFASLFGIIFTRSQKEGLHYTC 178

QY 79 SSHFPYSQYQWKNFQTLKI-----HQRVHGG----- 105  
Db 179 SSSFPYSQYQWKNFQTLKIIVLGLVPLLVWVICYSGILTKLRCNKKRRAVRLIF 238  
QY 106 -----GGSYKGLC-----QEPFGLNCCSSNRLDGHQV 135  
Db 239 TIMIVYFLWAPYINVLNTFOEFFGLNCCSSNRLDQAMQV 281

## RESULT 8

US-09-813-653-17  
; Sequence 17, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT APPLICATION NUMBER: US/09/813,653  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,946  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/190,996  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,299  
; PRIOR FILING DATE: 2000-03-21  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 17  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-17

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
QY 1 MDYQVSSPIYDINTYTSEPCQKINVKQIAA----- 30  
Db 1 MDYQVSSPIYDINTYTSEPCQKINVKQIAARLLPPLYSVLVTFGVGNMVLVILINCKR 60  
QY 31 -----YKGLC-----AAAQWDFGNTMCOHQRVGHHHSYKCG--- 64  
Db 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLLTGLYFIFFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
Db 119 IILLTDRYLAHVAVFALKARTVTGVVTSVITWVAVFASLPGLIFTRSQEGLHYTC 178  
QY 79 SSSFPYSQYQWKNFQTLKI-----HQRVHGG----- 105  
Db 179 SSSFPYSQYQWKNFQTLKIIVLGLVPLLVWVICYSGILTKLRCNKKRRAVRLIF 238  
QY 106 -----GGSYKGLC-----QEPFGLNCCSSNRLDGHQV 135  
Db 239 TIMIVYFLWAPYINVLNTFOEFFGLNCCSSNRLDQAMQV 281

## RESULT 9

US-09-796-202-1  
; Sequence 1, Application US/09796202  
; Patent No. US2002006813A1  
; GENERAL INFORMATION:  
; APPLICANT: Dragic, Tatjana  
; APPLICANT: Olson, William  
; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION  
; FILE REFERENCE: 2048/61010/JPW/SHS  
; CURRENT APPLICATION NUMBER: US/09/796,202  
; CURRENT FILING DATE: 2001-02-28

; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: human  
US-09-796-202-1  
Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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QY 31 -----YKGLC-----AAAQWDFGNTMCOHQRVGHHHSYKCG--- 64  
Db 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLLTGLYFIFFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
Db 119 IILLTDRYLAHVAVFALKARTVTGVVTSVITWVAVFASLPGLIFTRSQEGLHYTC 178  
QY 79 SSSFPYSQYQWKNFQTLKI-----HQRVHGG----- 105  
Db 179 SSSFPYSQYQWKNFQTLKIIVLGLVPLLVWVICYSGILTKLRCNKKRRAVRLIF 238  
QY 106 -----GGSYKGLC-----QEPFGLNCCSSNRLDGHQV 135  
Db 239 TIMIVYFLWAPYINVLNTFOEFFGLNCCSSNRLDQAMQV 281

## RESULT 10

US-09-195-662A-2  
; Sequence 2, Application US/09195662A  
; Patent No. US20020076745A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor HDGNR10 (CCR5 Receptor)  
; FILE REFERENCE: 1488.1150002  
; CURRENT APPLICATION NUMBER: US/09/195,662A  
; CURRENT FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-195-662A-2

Query Match 47.6%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.2e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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Db 1 MDYQVSSPIYDINTYTSEPCQKINVKQIAARLLPPLYSVLVTFGVGNMVLVILINCKR 60  
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Db 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLLTGLYFIFFSGIFF 118  
QY 65 -----LCTRSQKEGLHYTC 78  
Db 119 IILLTDRYLAHVAVFALKARTVTGVVTSVITWVAVFASLPGLIFTRSQEGLHYTC 178  
QY 79 SSSFPYSQYQWKNFQTLKI-----HQRVHGG----- 105

US-09-938-719-5  
 ; Sequence 5, Application US/09938719  
 ; Patent NO. US20020106742A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SAMSON, MICHEL  
 ; PARMENTIER, MARC  
 ; VASSART, GILBERT  
 ; LIBERT, FREDERICK  
 ; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
 ;  
 ; NUMBER OF SEQUENCES: 17  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Knocbbe. Martens. Olson & Bear



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QY 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSLVFIFGVGNMLVILILINCKR 60
Db |||||
QY 31 -----YKCGLC----- 64
Db |||||
QY 61 LKSMTDIYLLNLALSDFLLVFPWAHYAAQWDFGNTMC--QLLTGNYFIFGFFSGIFF 118
Db |||||
QY 65 -----LCTRSQKEGLHYTC 78
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QY 119 IILLTIDRYLAVVHAFKARTVTFGWTSVITWVAVFASLPGLIFTRSQKEGLHYTC 178
Db |||||
QY 79 SSHFPYSQYQFWKQFOTLKI-----HORVHG----- 105
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QY 179 SSHFPYSQYQFWKQFOTLKIIVILGLVPLLVVICYSGLIKTLRCRNEKKHRAVRLIF 238
Db |||||
QY 106 -----GGSYKCGLC-----OEEFGINCCSSNELDGHQV 135
Db |||||
QY 239 TIMIVYFLWAPYINIVILLNTFOEFFGLNCCSSNELDQAMQV 281
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Search completed: March 18, 2004, 00:55:13  
Job time : 94.7037 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.07407 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-15  
Sequence: 1 GHHS 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/prodata/1/pubaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubaa/US06\_PUBCOMB.pep.\*  
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18: /cgn2\_6/prodata/1/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	42	100.0	138	14	US-10-057-890A-10
3	42	100.0	157	14	US-10-057-890A-31
4	42	100.0	546	12	US-10-424-599-269649
5	39	92.9	131	12	US-10-424-599-239144
6	39	92.9	324	12	US-10-412-699B-1483
7	39	92.9	324	15	US-10-374-780A-1363
8	39	92.9	347	12	US-10-424-599-226876
9	39	92.9	379	14	US-10-253-007-46
10	39	92.9	1480	10	US-09-922-011-10
11	39	92.9	1484	9	US-09-945-901-56
12	39	92.9	1484	13	US-10-007-747-56
13	39	92.9	1484	14	US-10-038-937-56
14	39	92.9	1484	14	US-10-146-806-2
15	38	90.5	6	14	US-10-179-784-39

16	38	90.5	9	9	US-09-821-984-44	Sequence 44, Appl
17	38	90.5	9	9	US-09-284-663A-25	Sequence 25, Appl
18	38	90.5	9	9	US-09-854-280-18	Sequence 18, Appl
19	38	90.5	9	9	US-09-854-208-18	Sequence 18, Appl
20	38	90.5	9	14	US-10-203-013-27	Sequence 27, Appl
21	38	90.5	9	14	US-10-203-013-29	Sequence 29, Appl
22	38	90.5	10	8	US-08-464-363-73	Sequence 73, Appl
23	38	90.5	10	9	US-09-981-636-2	Sequence 3, Appl
24	38	90.5	10	9	US-09-981-636-3	Sequence 31, Appl
25	38	90.5	10	10	US-09-976-935-31	Sequence 24, Appl
26	38	90.5	10	11	US-09-933-780C-24	Sequence 60, Appl
27	38	90.5	10	14	US-10-104-919-60	Sequence 72, Appl
28	38	90.5	10	15	US-10-351-157-72	Sequence 61, Appl
29	38	90.5	10	16	US-10-395-741B-61	Sequence 2, Appl
30	38	90.5	11	9	US-09-814-569-2	Sequence 67, Appl
31	38	90.5	13	15	US-10-297-229-67	Sequence 76, Appl
32	38	90.5	14	8	US-08-464-363-76	Sequence 19, Appl
33	38	90.5	14	9	US-09-900-330A-19	Sequence 53, Appl
34	38	90.5	15	9	US-09-374-671-53	Sequence 53, Appl
35	38	90.5	15	14	US-10-196-107A-53	Sequence 17, Appl
36	38	90.5	19	14	US-10-342-103-17	Sequence 32, Appl
37	38	90.5	20	14	US-10-408-930-32	Sequence 21, Appl
38	38	90.5	21	10	US-09-832-464-21	Sequence 16, Appl
39	38	90.5	22	9	US-09-331-631A-16	Sequence 16, Appl
40	38	90.5	22	14	US-10-147-095-16	Sequence 24, Appl
41	38	90.5	23	15	US-10-354-774-24	Sequence 24, Appl
42	38	90.5	23	15	US-10-271-012-24	Sequence 8, Appl
43	38	90.5	24	9	US-09-934-465-8	Sequence 9, Appl
44	38	90.5	24	9	US-09-884-733-9	Sequence 5, Appl
45	38	90.5	24	13	US-10-080-455-5	

ALIGNMENTS

RESULT 1  
US-10-057-890A-15  
; Sequence 15, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an  
; TITLE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-15

Query Match 100.0%; Score 42; DB 14; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 GHHS 6  
Db 1 GHHS 6  
RESULT 2  
US-10-057-890A-10  
; Sequence 10, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy

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; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 10
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-10

Query Match      100.0%; Score 42; DB 14; Length 138;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 55 GHHHHS 60

RESULT 3
US-10-057-890A-31
; Sequence 31, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy
; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an
; FILE REFERENCE: PF537
; CURRENT APPLICATION NUMBER: US/10/057,890A
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: 60/265,782
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,858
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 31
; LENGTH: 157
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-31

Query Match      100.0%; Score 42; DB 14; Length 157;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 74 GHHHHS 79

RESULT 4
US-10-424-599-269649
; Sequence 269649, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 10
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Glycine max
US-10-424-599-269649

Query Match      100.0%; Score 42; DB 12; Length 546;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 69 GHHHHS 74

RESULT 5
US-10-424-599-239144
; Sequence 239144, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 239144
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Glycine max
US-10-424-599-239144

Query Match      92.9%; Score 39; DB 12; Length 131;
Best Local Similarity 83.3%; Pred. No. 73;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 121 GHHHHA 126

RESULT 6
US-10-412-699B-1483
; Sequence 1483, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
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; SEQ ID NO 269649
; LENGTH: 546
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(546)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_85512C.1.pap
US-10-424-599-269649

Query Match      100.0%; Score 42; DB 12; Length 546;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 69 GHHHHS 74

RESULT 5
US-10-424-599-239144
; Sequence 239144, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 239144
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; TYPE: PRT
; ORGANISM: Glycine max
US-10-424-599-239144

Query Match      92.9%; Score 39; DB 12; Length 131;
Best Local Similarity 83.3%; Pred. No. 73;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GHHHHS 6
Db 121 GHHHHA 126

RESULT 6
US-10-412-699B-1483
; Sequence 1483, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
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; APPLICANT: DuBell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Ruminoto, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1483
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-412-699B-1483

Query Match          92.9%; Score 39; DB 12; Length 324;
Best Local Similarity 83.3%; Pred. No. 1.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
Db      21 GHHHHA 26

RESULT 7
US-10-374-780A-1363
; Sequence 1363, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Brown, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: DuBell III, Arnold T
; APPLICANT: Pinada, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847

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; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1363
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Orthologous to G1051, G1052
US-10-374-780A-1363

Query Match          92.9%; Score 39; DB 15; Length 324;
Best Local Similarity 83.3%; Pred. No. 1.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
Db      21 GHHHHA 26

RESULT 8
US-10-424-599-226876
; Sequence 226876, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 226876
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(347)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MBT3847_468C.1.pap
US-10-424-599-226876

Query Match          92.9%; Score 39; DB 12; Length 347;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
Db      215 GHHHHA 220

RESULT 9
US-10-253-007-46
; Sequence 46, Application US/10253007

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; Publication No. US20030088073A1
; GENERAL INFORMATION:
; APPLICANT: Benfey et al.
; TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses
; FILE OF INVENTION: Thereof
; FILE REFERENCE: 5914-074-999
; CURRENT APPLICATION NUMBER: US/10/253,007
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: US/09/186,188
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 08/842,445
; PRIOR FILING DATE: 1997-04-24
; PRIOR APPLICATION NUMBER: 08/638,617
; PRIOR FILING DATE: 1996-04-26
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Plant
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(379)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-253-007-46

Query Match          92.9%; Score 39; DB 14; Length 379;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
      |||||:
Db      6 GHHHT 11

RESULT 10
US-09-922-011-10
; Sequence 10, Application US/09922011
; Publication No. US20030096331A1
; GENERAL INFORMATION:
; APPLICANT: CIS Biotech, Inc.
; APPLICANT: Dambinova, Svetlana
; TITLE OF INVENTION: Rapid multiple panel of biomarkers in laboratory blood tests for
; TITLE OF INVENTION: TIA/stroke
; FILE REFERENCE: 08805.105001
; CURRENT APPLICATION NUMBER: US/09/922,011
; CURRENT FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 1480
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-922-011-10

Query Match          92.9%; Score 39; DB 10; Length 1480;
Best Local Similarity 83.3%; Pred. No. 6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
      |||||:
Db      1360 GHHHN 1365

RESULT 11
US-09-945-901-56
; Sequence 56, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
US-09-945-901-56

Query Match          92.9%; Score 39; DB 9; Length 1484;
Best Local Similarity 83.3%; Pred. No. 6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
      |||||:
Db      1360 GHHHN 1365

RESULT 12
US-10-007-747-56
; Sequence 56, Application US/10007747
; Publication No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
US-10-007-747-56

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESS: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 1484 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-09-945-901-56

Query Match          92.9%; Score 39; DB 9; Length 1484;
Best Local Similarity 83.3%; Pred. No. 6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 GHHHHS 6
      |||||:
Db      1360 GHHHN 1365

RESULT 12
US-10-007-747-56
; Sequence 56, Application US/10007747
; Publication No. US20020161193A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
US-10-007-747-56

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR

NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESS: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

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/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/007,747
/ FILING DATE: 07-DEC-2001
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/648,797
/ FILING DATE: 28-AUG-2000
/ APPLICATION NUMBER: US/08/940,086A
/ FILING DATE: 29-SEPT-97
/ APPLICATION NUMBER: US 08/231,193
/ FILING DATE: 20-APR-1994
/ APPLICATION NUMBER: US 08/052,449
/ FILING DATE: 20-APR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Seidman, Stephanie
/ REGISTRATION NUMBER: 33,779
/ REFERENCE/DOCKET NUMBER: 24735-9383C
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 450-8400
/ TELEFAX: (619) 450-8499
/ INFORMATION FOR SEQ ID NO: 56:
/ SEQUENCE DESCRIPTION: SEQ ID NO: 56:
/
/ US-10-007-747-56
/
/ QUERY MATCH          92.9%; Score 39; DB 13; Length 1484;
/ Best Local Similarity 83.3%; Pred. No. 6e+02;
/ Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
/
/ QY      1 GHHS 6
/
/ DB      1360 GHHS 1365
/
/ RESULT 13
/ US-10-038-937-56
/ Sequence 56, Application US/10038937
/ Publication No. US20030013866A1
/ GENERAL INFORMATION:
/ APPLICANT: Daggett, Lorrie P.
/ Lu, Chin-Chun
/ TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
/ SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
/ NUMBER OF SEQUENCES: 63
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Heller Ehrman White & McAlliff
/ STREET: 4250 Executive Square, 7th Floor
/ CITY: La Jolla
/ STATE: CA
/ COUNTRY: U.S.A.
/ ZIP: 92037
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/038,937
/ FILING DATE: 18-APR-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/935,105
/ FILING DATE: 29-SEPT-97
/ APPLICATION NUMBER: US 08/231,193
/ FILING DATE: 20-APR-1994
/ APPLICATION NUMBER: US 08/052,449
/ FILING DATE: 20-APR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Seidman, Stephanie
/ REGISTRATION NUMBER: 33,779

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/ REFERENCE/DOCKET NUMBER: 6362-9383D
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 619-238-0999
/ TELEFAX: 619-238-0062
/ INFORMATION FOR SEQ ID NO: 56:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1484 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 56:
/
/ US-10-038-937-56
/
/ QUERY MATCH          92.9%; Score 39; DB 14; Length 1484;
/ Best Local Similarity 83.3%; Pred. No. 6e+02;
/ Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
/
/ QY      1 GHHS 6
/
/ DB      1360 GHHS 1365
/
/ RESULT 14
/ US-10-146-806-2
/ Sequence 2, Application US/10146806
/ Publication No. US20030087371A1
/ GENERAL INFORMATION:
/ APPLICANT: FOLDES, Robert L.
/ ADAMS, Sally-Lin
/ KAMBOJ, Rajender
/ DUNCAN, H. Scott
/ TITLE OF INVENTION: Modulatory Proteins of Human CNS
/ RECEPTORS
/ NUMBER OF SEQUENCES: 23
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Foley & Lardner
/ STREET: 3000 K Street, N.W., Suite 500
/ CITY: Washington, D.C.
/ COUNTRY: USA
/ ZIP: 20007-5109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/146,806
/ FILING DATE: 17-May-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/264,578
/ FILING DATE: 23-JUN-1994
/ APPLICATION NUMBER: US 07/987,953
/ FILING DATE: 11-DEC-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: BENT, Stephen A.
/ REGISTRATION NUMBER: 29,768
/ REFERENCE/DOCKET NUMBER: 16777/261/ALLE
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 672-5300
/ TELEFAX: (202) 672-5399
/ TELEX: 904136
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1484 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 2:
/
/ US-10-146-806-2
/
/ QUERY MATCH          92.9%; Score 39; DB 14; Length 1484;
/ Best Local Similarity 83.3%; Pred. No. 6e+02;

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Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHEHHS 6  
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 Db 1360 GHEHHS 1365

RESULT 15  
 US-10-179-784-39  
 ; Sequence 39, Application US/10179784  
 ; Publication No. US20030036647A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shuman, Stewart  
 ; APPLICANT: Sriskanda, Veri  
 ; TITLE OF INVENTION: Pharmacological Targeting of Bacterial DNA Ligase  
 ; TITLE OF INVENTION: For Treatment And Prevention of Bacterial Infections  
 ; FILE REFERENCE: D6468  
 ; CURRENT APPLICATION NUMBER: US/10/179,784  
 ; CURRENT FILING DATE: 2002-06-24  
 ; PRIOR APPLICATION NUMBER: US 60/300,727  
 ; PRIOR FILING DATE: 2001-06-24  
 ; NUMBER OF SEQ ID NOS: 41  
 ; SEQ ID NO 39  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; NAME/KEY: CHAIN  
 ; OTHER INFORMATION: a histone tag  
 US-10-179-784-39

Query Match 90.5%; Score 38; DB 14; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHEHHS 5  
 |||||  
 Db 1 GHEHHS 5

Search completed: March 18, 2004, 00:55:13  
 Job time : 4.07407 secs

GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 4.07407 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-15  
Perfect score: 42  
Sequence: 1 GHHHS 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
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- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	100.0	6	14	US-10-057-890A-15
2	42	100.0	138	14	US-10-057-890A-10
3	42	100.0	157	14	US-10-057-890A-31
4	42	100.0	546	12	US-10-424-599-269649
5	39	92.9	131	12	US-10-424-599-239144
6	39	92.9	324	12	US-10-412-699B-1483
7	39	92.9	324	15	US-10-374-780A-1363
8	39	92.9	347	12	US-10-424-599-226876
9	39	92.9	379	14	US-10-253-007-46
10	39	92.9	1480	10	US-09-922-011-10
11	39	92.9	1484	9	US-09-945-901-56
12	39	92.9	1484	13	US-10-007-747-56
13	39	92.9	1484	14	US-10-038-937-56
14	39	92.9	1484	14	US-10-146-806-2
15	38	90.5	6	14	US-10-179-784-39

Sequence 44, Appl  
Sequence 25, Appl  
Sequence 18, Appl  
Sequence 18, Appl  
Sequence 27, Appl  
Sequence 29, Appl  
Sequence 73, Appl  
Sequence 2, Appl  
Sequence 3, Appl  
Sequence 31, Appl  
Sequence 24, Appl  
Sequence 60, Appl  
Sequence 72, Appl  
Sequence 61, Appl  
Sequence 2, Appl  
Sequence 67, Appl  
Sequence 76, Appl  
Sequence 19, Appl  
Sequence 53, Appl  
Sequence 53, Appl  
Sequence 17, Appl  
Sequence 32, Appl  
Sequence 21, Appl  
Sequence 16, Appl  
Sequence 24, Appl  
Sequence 24, Appl  
Sequence 8, Appl  
Sequence 9, Appl  
Sequence 5, Appl

## ALIGNMENTS

### RESULT 1

US-10-057-890A-15  
; Sequence 15, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same,  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; CURRENT FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-15

Query Match 100.0%; Score 42; DB 14; Length 6;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6

DB 1 GHHHS 6

### RESULT 2

US-10-057-890A-10  
; Sequence 10, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy

; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
; FILE OF INVENTION: of Using the Same.  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 10  
; LENGTH: 138  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-10

Query Match 100.0%; Score 42; DB 14; Length 138;  
Best Local Similarity 100.0%; Pred. No. 28;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6  
Db 55 GHHHS 60

RESULT 3  
US-10-057-890A-31  
; Sequence 31, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; APPLICANT: Mansfield, Brian  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
; FILE REFERENCE: PF537  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 31  
; LENGTH: 157  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-057-890A-31

Query Match 100.0%; Score 42; DB 14; Length 157;  
Best Local Similarity 100.0%; Pred. No. 31;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6  
Db 74 GHHHS 79

RESULT 4  
US-10-424-599-269649  
; Sequence 269649, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 269649  
; LENGTH: 546  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(546)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_85512C.1.pep  
US-10-424-599-269649

Query Match 100.0%; Score 42; DB 12; Length 546;  
Best Local Similarity 100.0%; Pred. No. 93;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6  
Db 69 GHHHS 74

RESULT 5  
US-10-424-599-239144  
; Sequence 239144, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 239144  
; LENGTH: 131  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_57972C.1.pep  
US-10-424-599-239144

Query Match 92.9%; Score 39; DB 12; Length 131;  
Best Local Similarity 83.3%; Pred. No. 73;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6  
Db 121 GHHHA 126

RESULT 6  
US-10-412-699B-1483  
; Sequence 1483, Application US/10412699B  
; Publication No. US20040045049A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT: Zhang, James  
; APPLICANT: Fromm, Michael E.  
; APPLICANT: Heard, Jacqueline E.  
; APPLICANT: Riechmann, Jose Luis  
; APPLICANT: Adam, Luc J.  
; APPLICANT: Broun, Pierre E.  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Reuber, T. Lynne  
; APPLICANT: Keddle, James S.  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Samaha, Raymond R.  
; APPLICANT: Pilgrim, Marsha L.  
; APPLICANT: Creelman, Robert A.

APPLICANT: Dubell, Arnold N.  
APPLICANT: Ratcliffe, Oliver  
APPLICANT: Kumimoto, Roderick  
APPLICANT: Sherman, Bradley K.  
TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants  
FILE REFERENCE: MBI-0048CIP  
CURRENT APPLICATION NUMBER: US/10/412,699B  
CURRENT FILING DATE: 2003-04-10  
PRIOR APPLICATION NUMBER: 09/394,519  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: 09/489,376  
PRIOR FILING DATE: 2000-01-21  
PRIOR APPLICATION NUMBER: 09/506,720  
PRIOR FILING DATE: 2000-02-17  
PRIOR APPLICATION NUMBER: 09/533,030  
PRIOR FILING DATE: 2000-03-22  
PRIOR APPLICATION NUMBER: 09/533,392  
PRIOR FILING DATE: 2000-03-22  
PRIOR APPLICATION NUMBER: 09/533,029  
PRIOR FILING DATE: 2000-03-22  
PRIOR APPLICATION NUMBER: 09/532,591  
PRIOR FILING DATE: 2000-03-22  
PRIOR APPLICATION NUMBER: 09/533,648  
PRIOR FILING DATE: 2000-03-22  
PRIOR APPLICATION NUMBER: 09/713,994  
PRIOR FILING DATE: 2000-11-16  
PRIOR APPLICATION NUMBER: 09/819,142  
PRIOR FILING DATE: 2001-03-27

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 2011  
SOFTWARE: Patent in version 3.2  
SEQ ID NO 1483  
LENGTH: 324

TYPE: PRT

ORGANISM: Oryza sativa

US-10-412-699B-1483

Query Match 92.9%; Score 39; DB 12; Length 324;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHHS 6

DB 21 GHHHHA 26

RESULT 7

US-10-374-780A-1363  
Sequence 1363, Application US/10374780A  
Publication No. US2004001992A1

GENERAL INFORMATION:

APPLICANT: Sherman, Bradley K.

APPLICANT: Riechmann, Jose Luis

APPLICANT: Jiang, Cai-zhong

APPLICANT: Heard, Jacqueline E

APPLICANT: Haake, Volker

APPLICANT: Creelman, Robert A

APPLICANT: Ratcliffe, Oliver

APPLICANT: Adam, Luc J

APPLICANT: Reuber, T. Lynne

APPLICANT: Keddie, James

APPLICANT: Broun, Pierre E

APPLICANT: Pilgrim, Marsha L

APPLICANT: Dubell III, Arnold T

APPLICANT: Pineda, Onaira

APPLICANT: Yu, Guo-liang

TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

FILE REFERENCE: MBI-0047 CIP

CURRENT APPLICATION NUMBER: US/10/374,780A

CURRENT FILING DATE: 2003-02-25

PRIOR APPLICATION NUMBER: 09/837,944

PRIOR FILING DATE: 2001-04-18

PRIOR APPLICATION NUMBER: 60/310,847

PRIOR FILING DATE: 2001-08-09  
PRIOR APPLICATION NUMBER: 09/934,455  
PRIOR FILING DATE: 2001-08-22  
PRIOR APPLICATION NUMBER: 60/336,049  
PRIOR FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/338,692  
PRIOR FILING DATE: 2001-12-11  
PRIOR APPLICATION NUMBER: 10/171,468  
PRIOR FILING DATE: 2002-06-14  
PRIOR APPLICATION NUMBER: 10/225,066  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,067  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,068  
PRIOR FILING DATE: 2002-08-09  
NUMBER OF SEQ ID NOS: 2906  
SOFTWARE: Patent in version 3.2  
SEQ ID NO 1363  
LENGTH: 324  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Orthologous to G1051, G1052  
US-10-374-780A-1363

Query Match 92.9%; Score 39; DB 15; Length 324;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHHS 6

DB 21 GHHHHA 26

RESULT 8

US-10-424-599-226876

Sequence 226876, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J

APPLICANT: Kovalic David K

APPLICANT: Zhou Yihua

APPLICANT: Cao Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53223)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 226876

LENGTH: 347

TYPE: PRT

ORGANISM: Glycine max

FEATURE:

NAME/KEY: unsure

LOCATION: (1)..(347)

OTHER INFORMATION: unsure at all Xaa locations

FEATURE:

OTHER INFORMATION: Clone ID: PAT\_MBT3847\_468C.1.pep

US-10-424-599-226876

Query Match 92.9%; Score 39; DB 12; Length 347;  
Best Local Similarity 83.3%; Pred. No. 1.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHHS 6

DB 215 GHHHHA 220

RESULT 9

US-10-253-007-46

Sequence 46, Application US/10253007

Publication No. US20030088073A1  
 GENERAL INFORMATION:  
 APPLICANT: Bentley et al.  
 TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses  
 TITLE OF INVENTION: Thereof  
 FILE REFERENCE: 5914-074-999  
 CURRENT APPLICATION NUMBER: US/10/253,007  
 CURRENT FILING DATE: 2002-09-23  
 PRIOR APPLICATION NUMBER: US/09/186,188  
 PRIOR FILING DATE: 1998-11-05  
 PRIOR APPLICATION NUMBER: 08/842,445  
 PRIOR FILING DATE: 1997-04-24  
 PRIOR APPLICATION NUMBER: 08/638,617  
 PRIOR FILING DATE: 1996-04-26  
 NUMBER OF SEQ ID NOS: 79  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 46  
 LENGTH: 379  
 TYPE: PRT  
 ORGANISM: Plant  
 FEATURE:  
 NAME/KEY: VARIANT  
 LOCATION: (1)...(379)  
 OTHER INFORMATION: Xaa = Any Amino Acid  
 US-10-253-007-46

Query Match 92.9%; Score 39; DB 14; Length 379;  
 Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHS 6  
 |||||  
 Db 6 GHHS 11

## RESULT 10

US-09-922-011-10  
 Sequence 10, Application US/09922011  
 Publication No. US2003009631A1

GENERAL INFORMATION:  
 APPLICANT: CIS Biotech, Inc.  
 APPLICANT: Daminova, Svetlana

TITLE OF INVENTION: Rapid multiple panel of biomarkers in laboratory blood tests for  
 TITLE OF INVENTION: TIA/stroke  
 FILE REFERENCE: 08805.105001  
 CURRENT APPLICATION NUMBER: US/09/922,011  
 CURRENT FILING DATE: 2001-08-02  
 NUMBER OF SEQ ID NOS: 17  
 SOFTWARE: Patent in version 3.1  
 SEQ ID NO 10  
 LENGTH: 1480  
 TYPE: PRT  
 ORGANISM: homo sapiens

US-09-922-011-10

Query Match 92.9%; Score 39; DB 10; Length 1480;  
 Best Local Similarity 83.3%; Pred. No. 6e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHS 6  
 |||||  
 Db 1360 GHHS 1365

## RESULT 11

US-09-945-901-56  
 Sequence 56, Application US/09945901  
 Patent No. US20020161215A1

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.  
 Ellis, Steven B.  
 Liaw, Chen W.  
 Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR  
 SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR  
 NUMBER OF SEQUENCES: 63  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Heller Ehrman White & McAuliffe  
 STREET: 4250 Executive Square, 7th Floor  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: U.S.A.  
 ZIP: 92037  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/945,901  
 FILING DATE: 24-Jan-2001  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/940,035  
 FILING DATE: <Unknown>  
 APPLICATION NUMBER: US 08/052,449  
 FILING DATE: 20-APR-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6362-9383E  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 619-238-0999  
 TELEFAX: 619-238-0062  
 INFORMATION FOR SEQ ID NO: 56:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1484 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 56:

US-09-945-901-56

Query Match 92.9%; Score 39; DB 9; Length 1484;  
 Best Local Similarity 83.3%; Pred. No. 6e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHS 6  
 |||||  
 Db 1360 GHHS 1365

## RESULT 12

US-10-007-747-56  
 Sequence 56, Application US/10007747  
 Publication No. US20020161193A1

GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.  
 Ellis, Steven B.  
 Liaw, Chen W.  
 Lu, Chin-Chun

TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR  
 SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR  
 NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White & McAuliffe  
 STREET: 4250 Executive Square, 7th Floor  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25



;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/10/007,747  
;/ FILING DATE: 07-Dec-2001  
;/ PRIOR APPLICATION DATA:  
;/ APPLICATION NUMBER: US/09/648,797  
;/ FILING DATE: 28-Aug-2000  
;/ APPLICATION NUMBER: US/08/940,086A  
;/ FILING DATE: 29-SEPT-97  
;/ APPLICATION NUMBER: US 08/231,193  
;/ FILING DATE: 20-APR-1994  
;/ APPLICATION NUMBER: US 08/052,449  
;/ FILING DATE: 20-APR-1993  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: Seidman, Stephanie  
;/ REGISTRATION NUMBER: 33,779  
;/ REFERENCE/DOCKET NUMBER: 24735-9383C  
;/ TELECOMMUNICATION INFORMATION:  
;/ TELEPHONE: (619) 450-8400  
;/ TELEFAX: (619) 450-8499  
;/ INFORMATION FOR SEQ ID NO: 56:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 1484 amino acids  
;/ TYPE: amino acid  
;/ TOPOLOGY: linear  
;/ MOLECULE TYPE: protein  
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 56:  
US-10-007-747-56

Query Match 92.9%; Score 39; DB 13; Length 1484;  
Best Local Similarity 83.3%; Pred. No. 6e+02; Indels 0; Gaps 0;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHS 6  
Db 1360 GHHS 1365

RESULT 13  
US-10-038-937-56  
; Sequence 56, Application US/10038937  
; Publication No. US20030013866A1  
; GENERAL INFORMATION:  
; APPLICANT: Daggett, Lorrie P.  
; Lu, Chin-Chun  
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR  
; SUBUNITS, NUCLEIC ACIDS ENCODED SAME AND USES THEREFOR  
; NUMBER OF SEQUENCES: 63  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Heller Ehrman White & McAuliffe  
; STREET: 4250 Executive Square, 7th Floor  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/038,937  
; FILING DATE: 18-Apr-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/935,105  
; FILING DATE: 29-SEPT-97  
; APPLICATION NUMBER: US 08/231,193  
; FILING DATE: 20-APR-1994  
; APPLICATION NUMBER: US 08/052,449  
; FILING DATE: 20-APR-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seidman, Stephanie  
; REGISTRATION NUMBER: 33,779

;/ REFERENCE/DOCKET NUMBER: 6362-9383D  
;/ TELECOMMUNICATION INFORMATION:  
;/ TELEPHONE: 619-238-0999  
;/ TELEFAX: 619-238-0062  
;/ INFORMATION FOR SEQ ID NO: 56:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 1484 amino acids  
;/ TYPE: amino acid  
;/ TOPOLOGY: linear  
;/ MOLECULE TYPE: protein  
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 56:  
US-10-038-937-56  
  
Query Match 92.9%; Score 39; DB 14; Length 1484;  
Best Local Similarity 83.3%; Pred. No. 6e+02; Indels 0; Gaps 0;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 GHHS 6  
Db 1360 GHHS 1365  
  
RESULT 14  
US-10-146-806-2  
; Sequence 2, Application US/10146806  
; Publication No. US20030087371A1  
; GENERAL INFORMATION:  
; APPLICANT: FOLDES, Robert L.  
; ADAMS, Sally-Lin  
; KAMBOJ, Rajender  
; DUNCAN, H. Scott  
; TITLE OF INVENTION: Modulatory Proteins of Human CNS  
; Receptors  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington, D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/146,806  
; FILING DATE: 17-May-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/264,578  
; FILING DATE: 23-JUN-1994  
; APPLICATION NUMBER: US 07/987,953  
; FILING DATE: 11-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 16777/261/ALLE  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399  
; TELEX: 904136  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1484 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-146-806-2  
  
Query Match 92.9%; Score 39; DB 14; Length 1484;  
Best Local Similarity 83.3%; Pred. No. 6e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 6

Db 1360 GHHHN 1365

RESULT 15

US-10-179-784-39  
 ; Sequence 39, Application US/10179784  
 ; Publication No. US20030036647A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shuman, Stewart  
 ; APPLICANT: Sriskanda, Verl  
 ; TITLE OF INVENTION: Pharmacological Targeting of Bacterial DNA Ligase  
 ; TITLE OF INVENTION: For Treatment And Prevention of Bacterial Infections  
 ; FILE REFERENCE: D6468  
 ; CURRENT APPLICATION NUMBER: US/10/179,784  
 ; PRIOR FILING DATE: 2002-06-24  
 ; PRIOR APPLICATION NUMBER: US 60/300,727  
 ; PRIOR FILING DATE: 2001-06-24  
 ; NUMBER OF SEQ ID NOS: 41  
 ; SEQ ID NO 39  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; NAME/KEY: CHAIN  
 ; OTHER INFORMATION: a histone tag  
 US-10-179-784-39

Query Match 90.5%; Score 38; DB 14; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GHHHS 5

Db 1 GHHHS 5

Search completed: March 18, 2004, 00:55:13  
 Job time : 4.07407 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 3.39506 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-16  
Perfect score: 28  
Sequence: 1 GGGGS 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/BCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28	100.0	5	9	US-09-287-849-44
2	28	100.0	5	9	US-09-147-142-31
3	28	100.0	5	9	US-09-214-645-1
4	28	100.0	5	9	US-09-858-616-2
5	28	100.0	5	9	US-09-779-233-45
6	28	100.0	5	9	US-09-989-789-3
7	28	100.0	5	9	US-09-976-787-21
8	28	100.0	5	9	US-09-192-854-180
9	28	100.0	5	9	US-09-761-962-36
10	28	100.0	5	9	US-09-333-527-5
11	28	100.0	5	9	US-09-925-796-8
12	28	100.0	5	9	US-09-815-833-116
13	28	100.0	5	9	US-09-033-525-5
14	28	100.0	5	9	US-09-779-451-7
15	28	100.0	5	9	US-09-941-450-8

16	28	100.0	5	9	US-09-818-247-25
17	28	100.0	5	9	US-09-883-777-10
18	28	100.0	5	9	US-09-867-262-3
19	28	100.0	5	9	US-09-780-933-22
20	28	100.0	5	9	US-09-480-236-10
21	28	100.0	5	9	US-09-731-558-6
22	28	100.0	5	9	US-09-828-708-123
23	28	100.0	5	9	US-09-885-551A-3
24	28	100.0	5	9	US-09-756-283A-14
25	28	100.0	5	9	US-09-144-886-4
26	28	100.0	5	9	US-09-999-745-56
27	28	100.0	5	9	US-09-942-087A-8
28	28	100.0	5	9	US-09-942-090-8
29	28	100.0	5	9	US-09-554-000-40
30	28	100.0	5	9	US-09-732-793A-1
31	28	100.0	5	9	US-09-792-793A-2
32	28	100.0	5	10	US-09-846-033B-212
33	28	100.0	5	10	US-09-990-186-3
34	28	100.0	5	10	US-09-897-844-8
35	28	100.0	5	10	US-09-989-994-3
36	28	100.0	5	10	US-09-911-261A-23
37	28	100.0	5	10	US-09-942-024-84
38	28	100.0	5	10	US-09-942-098-84
39	28	100.0	5	10	US-09-969-748C-38
40	28	100.0	5	10	US-09-992-124A-61
41	28	100.0	5	10	US-09-949-039-37
42	28	100.0	5	12	US-10-289-456-120
43	28	100.0	5	12	US-10-239-656-31
44	28	100.0	5	12	US-10-668-778-3
45	28	100.0	5	12	US-10-668-778-6

## ALIGNMENTS

### RESULT 1

US-09-287-849-44  
; Sequence 44, Application US/09287849  
; Patent No. US20020009459A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Alderson, Mark  
; APPLICANT: Campos-Neto, Antonio  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
; TITLE OF INVENTION: and Their Uses  
; FILE REFERENCE: 014058-009020US  
; CURRENT APPLICATION NUMBER: US/09/287,849  
; CURRENT FILING DATE: 1999-04-07  
; PRIOR APPLICATION NUMBER: US 08/818,112  
; PRIOR FILING DATE: 1997-03-13  
; PRIOR APPLICATION NUMBER: US 08/942,578  
; PRIOR FILING DATE: 1997-10-01  
; PRIOR APPLICATION NUMBER: US 09/025,197  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 09/056,556  
; PRIOR FILING DATE: 1998-04-07  
; PRIOR APPLICATION NUMBER: US 09/223,040  
; PRIOR FILING DATE: 1998-12-30  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 44  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:flexible  
; OTHER INFORMATION: polylinker  
US-09-287-849-44

Query Match 100.0% ; Score 28; DB 9; Length 5;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
|||||  
Db 1 GGGGS 5

RESULT 2  
US-09-147-142-31  
; Sequence 31, Application US/09147142  
; Patent No. US20020018749A1  
; GENERAL INFORMATION:  
; APPLICANT: HUDSON, Peter John  
; APPLICANT: KORTT, Alex Andrew  
; APPLICANT: IRVING, Robert Alexander  
; APPLICANT: ATWELL, John Leslie  
; TITLE OF INVENTION: HIGH AVIDITY POLYVALENT AND POLYSPECIFIC REAGENTS  
; FILE REFERENCE: 016786/0212  
; CURRENT APPLICATION NUMBER: US/09/147,142  
; CURRENT FILING DATE: 1999-03-05  
; EARLIER APPLICATION NUMBER: PCT/AU98/00212  
; EARLIER FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: AU PO 5917  
; EARLIER FILING DATE: 1997-03-27  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 31  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide linker  
US-09-147-142-31

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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Db 1 GGGGS 5

RESULT 3  
US-09-214-645-1  
; Sequence 1, Application US/09214645  
; Patent No. US20020028443A1  
; GENERAL INFORMATION:  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: METHOD OF DNA SHUFFLING WITH  
; TITLE OF INVENTION: POLYNUCLEOTIDES PRODUCED BY BLOCKING OR INTERRUPTING A  
; FILE REFERENCE: DIVER1220-2  
; CURRENT APPLICATION NUMBER: US/09/214,645  
; CURRENT FILING DATE: 1999-09-27  
; PRIOR APPLICATION NUMBER: PCT/US97/12239  
; PRIOR FILING DATE: 1997-07-09  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: linker peptide  
US-09-214-645-1

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5  
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RESULT 4  
US-09-858-616-2  
; Sequence 2, Application US/09858616  
; Patent No. US20020031771A1  
; GENERAL INFORMATION:  
; APPLICANT: DIVERSA CORPORATION  
; APPLICANT: SHORT, Jay  
; TITLE OF INVENTION: SEQUENCE BASED SCREENING  
; FILE REFERENCE: DIVER1210-6  
; CURRENT APPLICATION NUMBER: US/09/858,616  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: US/09/571,499  
; PRIOR FILING DATE: 2000-05-15  
; PRIOR APPLICATION NUMBER: US/09/557,276  
; PRIOR FILING DATE: 2000-04-24  
; PRIOR APPLICATION NUMBER: US/08/692,002  
; PRIOR FILING DATE: 1996-08-02  
; PRIOR APPLICATION NUMBER: US/60/008,317  
; PRIOR FILING DATE: 1995-12-07  
; PRIOR APPLICATION NUMBER: US/08/944,795  
; PRIOR FILING DATE: 1997-10-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Linker peptide  
US-09-858-616-2

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
|||||  
Db 1 GGGGS 5

RESULT 5  
US-09-779-233-45  
; Sequence 45, Application US/09779233  
; Patent No. US20020045156A1  
; GENERAL INFORMATION:  
; APPLICANT: Case, Casey  
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY  
; FILE REFERENCE: 8325-0010  
; CURRENT APPLICATION NUMBER: US/09/779,233  
; CURRENT FILING DATE: 2001-02-08  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 45  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: linker  
US-09-779-233-45

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
|||||  
Db 1 GGGGS 5

## RESULT 6

US-09-989-789-3  
; Sequence 3, Application US/09989789  
; Patent No. US20020063379A1  
; GENERAL INFORMATION:  
; APPLICANT: LIU, Qiang  
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE  
; FILE REFERENCE: 8325-0011.20 / S11-US2  
; CURRENT FILING DATE: 2002-03-25  
; NUMBER OF SEQ ID NOS: 4085  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide linker  
US-09-989-789-3

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5

## RESULT 7

US-09-976-787-21  
; Sequence 21, Application US/09976787  
; Patent No. US20020064528A1  
; GENERAL INFORMATION:  
; APPLICANT: Witte, Larry  
; TITLE OF INVENTION: Antibodies Specific to KDR and Uses Thereof  
; FILE REFERENCE: 11245/46505  
; CURRENT APPLICATION NUMBER: US/09/976,787  
; CURRENT FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: US 09/493,539  
; PRIOR FILING DATE: 2000-01-28  
; PRIOR APPLICATION NUMBER: US 60/117,726  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: WordPerfect 8.0 for Windows  
; SEQ ID NO 21  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: peptide linker  
US-09-976-787-21

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5

## RESULT 8

US-09-192-854-180  
; Sequence 180, Application US/09192854  
; Patent No. US20020068276A1  
; GENERAL INFORMATION:  
; APPLICANT: Winter, Greg  
; APPLICANT: Tomlinson, Ian  
; TITLE OF INVENTION: Methods for Selecting Functional Peptides  
; FILE REFERENCE: 3789/72916

; CURRENT APPLICATION NUMBER: US/09/192,854  
; CURRENT FILING DATE: 1998-11-17  
; EARLIER APPLICATION NUMBER: 60/066,729  
; EARLIER FILING DATE: 1997-11-21  
; NUMBER OF SEQ ID NOS: 212  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 180  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Linker peptide  
; OTHER INFORMATION: for connecting variable domains.  
US-09-192-854-180

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5

## RESULT 9

US-09-761-962-36  
; Sequence 36, Application US/09761962  
; Patent No. US2002007285A1  
; GENERAL INFORMATION:  
; APPLICANT: Memorial Sloan-Kettering Cancer Center  
; TITLE OF INVENTION: Identification and Characterization of Multiple Splice  
; TITLE OF INVENTION: Variants of Mu-  
; TITLE OF INVENTION: Opioid Receptor (MOR-1) Gene  
; FILE REFERENCE: 830002-2000.1  
; CURRENT APPLICATION NUMBER: US/09/761,962  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 09/743,872  
; PRIOR FILING DATE: 2001-03-13  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 36  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: basic unit of a linking peptide  
US-09-761-962-36

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5

## RESULT 10

US-09-333-527-5  
; Sequence 5, Application US/09333527  
; Patent No. US20020078472A1  
; GENERAL INFORMATION:  
; APPLICANT: Paul CHRISTOU; Eva STROGER; Rainer FISCHER; Carmen MARTIN-VAQUERO; Stef  
; TITLE OF INVENTION: METHODS AND MEANS FOR EXPRESSION OF MAMMALIAN POLYPEPTIDES  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Fulbright & Jaworski L.L.P.  
; STREET: 666 Fifth Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10103  
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb  
 COMPUTER: IBM PS/2  
 OPERATING SYSTEM: PC-DOS  
 SOFTWARE: Wordperfect  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/333,527  
 FILING DATE: Concurrently Herewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/089,322  
 FILING DATE: June 15, 1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mary Anne Schofield  
 REGISTRATION NUMBER: 36,669  
 REFERENCE/DOCKET NUMBER: KL/JIC 202.1 - JEL  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 318-3000  
 TELEFAX: (212) 752-5958  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-09-333-527-5

Query Match 100.0%; Score 28; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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 DB 1 GGGGS 5

## RESULT 11

US-09-925-796-8  
 ; Sequence 8, Application US/09925796  
 ; Patent No. US20020081614A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Case, Casey C.  
 ; APPLICANT: Zhang, Lei  
 ; APPLICANT: Sangamo Biosciences, Inc.  
 ; TITLE OF INVENTION: Functional Genomics Using Zinc Finger Proteins  
 ; FILE REFERENCE: 019496-002000US  
 ; CURRENT APPLICATION NUMBER: US/09/925,796  
 ; CURRENT FILING DATE: 2001-08-09  
 ; PRIOR APPLICATION NUMBER: 09/395,448  
 ; PRIOR FILING DATE: 1999-09-14  
 ; PRIOR APPLICATION NUMBER: 09/229,037  
 ; PRIOR FILING DATE: 1999-01-12  
 ; NUMBER OF SEQ ID NOS: 23  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 8  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:linker  
 US-09-925-796-8

Query Match 100.0%; Score 28; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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 DB 1 GGGGS 5

## RESULT 12

US-09-815-837-116  
 ; Sequence 116, Application US/09815837  
 ; Patent No. US20020082411A1

GENERAL INFORMATION:  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Zhu, Shirley  
 ; APPLICANT: Arimilli, Subhashini  
 ; APPLICANT: Wang, Aijun  
 ; APPLICANT: Corixa Corporation  
 ; TITLE OF INVENTION: Immune Mediators and Related Methods  
 ; FILE REFERENCE: 014058-005670US  
 ; CURRENT APPLICATION NUMBER: US/09/815,837  
 ; CURRENT FILING DATE: 2001-03-22  
 ; PRIOR APPLICATION NUMBER: US 60/191,274  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR APPLICATION NUMBER: US 60/204,249  
 ; PRIOR FILING DATE: 2000-05-15  
 ; PRIOR APPLICATION NUMBER: US 60/264,003  
 ; PRIOR FILING DATE: 2001-01-23  
 ; NUMBER OF SEQ ID NOS: 129  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 116  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:downstream  
 ; OTHER INFORMATION: linker For CDS96  
 US-09-815-837-116

Query Match 100.0%; Score 28; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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 DB 1 GGGGS 5

## RESULT 13

US-09-033-525-5  
 ; Sequence 5, Application US/09033525  
 ; Patent No. US20020090374A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yarkoni, Shai  
 ; APPLICANT: Ben-Yehudah, Ahmi  
 ; APPLICANT: Azar, Yehudith  
 ; APPLICANT: Aqeilan, Rami  
 ; APPLICANT: Belotstotsky, Ruth  
 ; APPLICANT: Lorberboun-Galski, Haya  
 ; TITLE OF INVENTION: CHIMERIC PROTEINS WITH CELL-TARGETING  
 ; FILE REFERENCE: SPECIFICITY AND APOPTOSIS-INDUCING ACTIVITIES  
 ; CURRENT APPLICATION NUMBER: US/09/033,525  
 ; CURRENT FILING DATE: 1998-03-02  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 5  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Flexible polylinker  
 US-09-033-525-5

Query Match 100.0%; Score 28; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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 DB 1 GGGGS 5

## RESULT 14

US-09-779-451-7

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; Sequence 7, Application US/09779451
; Patent No. US20020094521A1
; GENERAL INFORMATION:
; APPLICANT: Wild, Carl T.
; APPLICANT: Allaway, Graham P.
; TITLE OF INVENTION: Assay for Detection of Viral Fusion Inhibitors
; FILE REFERENCE: 1900.0300003
; CURRENT APPLICATION NUMBER: US/09/779,451
; CURRENT FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: US 60/235,901
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/181,543
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: REPEAT
; LOCATION: (1)..(5)
; OTHER INFORMATION: (GGGGS)x, where x is 1, 2, 3, 4, or 5
; NAME/KEY: misc feature
; OTHER INFORMATION: Preferred amino acid residues
US-09-779-451-7
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Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GGGGS 5
Db 1 GGGGS 5
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RESULT 15
US-09-941-450-8
; Sequence 8, Application US/09941450
; Patent No. US20020094529A1
; GENERAL INFORMATION:
; APPLICANT: Case, Casey C.
; APPLICANT: Urnov, Fyodor
; TITLE OF INVENTION: GENE IDENTIFICATION
; FILE REFERENCE: S7.US3 / 8325-0007.20
; CURRENT APPLICATION NUMBER: US/09/941,450
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: 09/395,448
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 8
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: linker
US-09-941-450-8
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Query Match 100.0%; Score 28; DB 9; Length 5;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GGGGS 5
Db 1 GGGGS 5
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Job time : 4.39506 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 3.39506 Seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-16

Perfect score: 28

Sequence: 1 GGGGS 5

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2\_6/ptodata/1/pubpaa/US05\_NEW\_PUB.pep.\*
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- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28	100.0	5	9	US-09-287-849-44
2	28	100.0	5	9	US-09-147-142-31
3	28	100.0	5	9	US-09-214-645-1
4	28	100.0	5	9	US-09-858-616-2
5	28	100.0	5	9	US-09-779-233-45
6	28	100.0	5	9	US-09-989-789-3
7	28	100.0	5	9	US-09-976-787-21
8	28	100.0	5	9	US-09-192-854-180
9	28	100.0	5	9	US-09-761-962-36
10	28	100.0	5	9	US-09-333-527-5
11	28	100.0	5	9	US-09-925-796-8
12	28	100.0	5	9	US-09-815-837-116
13	28	100.0	5	9	US-09-033-325-5
14	28	100.0	5	9	US-09-773-451-7
15	28	100.0	5	9	US-09-941-450-8

16	28	100.0	5	9	US-09-818-247-25	Sequence 25, Appl
17	28	100.0	5	9	US-09-883-777-10	Sequence 10, Appl
18	28	100.0	5	9	US-09-867-262-3	Sequence 3, Appl
19	28	100.0	5	9	US-09-780-933-22	Sequence 22, Appl
20	28	100.0	5	9	US-09-480-236-10	Sequence 10, Appl
21	28	100.0	5	9	US-09-731-558-6	Sequence 6, Appl
22	28	100.0	5	9	US-09-828-708-123	Sequence 123, Appl
23	28	100.0	5	9	US-09-885-551A-3	Sequence 3, Appl
24	28	100.0	5	9	US-09-756-283A-14	Sequence 14, Appl
25	28	100.0	5	9	US-09-144-866-4	Sequence 4, Appl
26	28	100.0	5	9	US-09-999-745-56	Sequence 56, Appl
27	28	100.0	5	9	US-09-942-087A-8	Sequence 8, Appl
28	28	100.0	5	9	US-09-942-090-8	Sequence 8, Appl
29	28	100.0	5	9	US-09-554-000-40	Sequence 40, Appl
30	28	100.0	5	9	US-09-792-793A-1	Sequence 1, Appl
31	28	100.0	5	9	US-09-792-793A-2	Sequence 2, Appl
32	28	100.0	5	10	US-09-846-033B-212	Sequence 212, Appl
33	28	100.0	5	10	US-09-990-186-3	Sequence 3, Appl
34	28	100.0	5	10	US-09-897-844-8	Sequence 8, Appl
35	28	100.0	5	10	US-09-989-994-3	Sequence 3, Appl
36	28	100.0	5	10	US-09-911-261A-23	Sequence 23, Appl
37	28	100.0	5	10	US-09-942-024-84	Sequence 84, Appl
38	28	100.0	5	10	US-09-942-098-84	Sequence 84, Appl
39	28	100.0	5	10	US-09-969-748C-38	Sequence 38, Appl
40	28	100.0	5	10	US-09-992-124A-61	Sequence 61, Appl
41	28	100.0	5	10	US-09-949-039-37	Sequence 37, Appl
42	28	100.0	5	12	US-10-289-456-120	Sequence 120, Appl
43	28	100.0	5	12	US-10-239-656-91	Sequence 91, Appl
44	28	100.0	5	12	US-10-668-778-3	Sequence 3, Appl
45	28	100.0	5	12	US-10-668-778-6	Sequence 6, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-287-849-44  
; Sequence 44, Application US/09287849  
; Patent No. US20020009459A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Alderson, Mark  
; APPLICANT: Campos-Neto, Antonio  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens  
; TITLE OF INVENTION: and Their Uses  
; FILE REFERENCE: 014058-009020US  
; CURRENT APPLICATION NUMBER: US/09/287,849  
; CURRENT FILING DATE: 1999-04-07  
; PRIOR APPLICATION NUMBER: US 08/818,112  
; PRIOR FILING DATE: 1997-03-13  
; PRIOR APPLICATION NUMBER: US 08/942,578  
; PRIOR FILING DATE: 1997-10-01  
; PRIOR APPLICATION NUMBER: US 09/025,197  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 09/056,556  
; PRIOR FILING DATE: 1998-04-07  
; PRIOR APPLICATION NUMBER: US 09/223,040  
; PRIOR FILING DATE: 1998-12-30  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 44  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:flexible  
; OTHER INFORMATION: polylinker  
US-09-287-849-44

Query Match 100.0%; Score 28; DB 9; Length 5;



Best Local Similarity 100.0%; Pred. No. 9.5e+05; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0;

QY 1 GGGGS 5  
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|  
Db 1 GGGGS 5

RESULT 2  
US-09-147-142-31  
; Sequence 31, Application US/09147142  
; Patent No. US20020018749A1  
; GENERAL INFORMATION:  
; APPLICANT: HUDSON, Peter John  
; APPLICANT: KORTT, Alex Andrew  
; APPLICANT: IRVING, Robert Alexander  
; APPLICANT: ATWELL, John Leslie  
; TITLE OF INVENTION: HIGH AVIDITY POLYVALENT AND POLYSPECIFIC REAGENTS  
; FILE REFERENCE: 016786/0212  
; CURRENT APPLICATION NUMBER: US/09/147,142  
; CURRENT FILING DATE: 1999-03-05  
; EARLIER APPLICATION NUMBER: PCT/AU98/00212  
; EARLIER FILING DATE: 1998-03-26  
; EARLIER APPLICATION NUMBER: AU PO 5917  
; EARLIER FILING DATE: 1997-03-27  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 31  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide linker  
US-09-147-142-31

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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Db 1 GGGGS 5

RESULT 3  
US-09-214-645-1  
; Sequence 1, Application US/09214645  
; Patent No. US200202843A1  
; GENERAL INFORMATION:  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: METHOD OF DNA SHUFFLING WITH  
; TITLE OF INVENTION: POLYNUCLEOTIDES PRODUCED BY BLOCKING OR INTERRUPTING A  
; TITLE OF INVENTION: SYNTHESIS OR AMPLIFICATION PROCESS  
; FILE REFERENCE: DIVER1220-2  
; CURRENT APPLICATION NUMBER: US/09/214,645  
; CURRENT FILING DATE: 1999-09-27  
; PRIOR APPLICATION NUMBER: PCT/US97/12239  
; PRIOR FILING DATE: 1997-07-09  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: linker peptide  
US-09-214-645-1

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5

Db 1 GGGGS 5  
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RESULT 4  
US-09-858-616-2  
; Sequence 2, Application US/09858616  
; Patent No. US20020031771A1  
; GENERAL INFORMATION:  
; APPLICANT: SHORT, Jay  
; TITLE OF INVENTION: SEQUENCE BASED SCREENING  
; FILE REFERENCE: DIVER1210-6  
; CURRENT APPLICATION NUMBER: US/09/858,616  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: US 09/571,499  
; PRIOR FILING DATE: 2000-05-15  
; PRIOR APPLICATION NUMBER: US 09/557,276  
; PRIOR FILING DATE: 2000-04-24  
; PRIOR APPLICATION NUMBER: US 08/692,002  
; PRIOR FILING DATE: 1996-08-02  
; PRIOR APPLICATION NUMBER: US 60/008,317  
; PRIOR FILING DATE: 1995-12-07  
; PRIOR APPLICATION NUMBER: US 08/944,795  
; PRIOR FILING DATE: 1997-10-06  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 2  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Linker peptide  
US-09-858-616-2

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Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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|  
Db 1 GGGGS 5

RESULT 5  
US-09-779-233-45  
; Sequence 45, Application US/09779233  
; Patent No. US20020045158A1  
; GENERAL INFORMATION:  
; APPLICANT: Case, Casey  
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY  
; FILE REFERENCE: 8325-0010  
; CURRENT APPLICATION NUMBER: US/09/779,233  
; CURRENT FILING DATE: 2001-02-08  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 45  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: linker  
US-09-779-233-45

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGS 5  
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|  
|  
|  
Db 1 GGGGS 5

APPLICANT: TOMLINSON, Ian  
TITLE OF INVENTION: Methods for Selecting Functional Peptides  
FILE REFERENCE: 3789/72916

us-10-057-890a-16.rapb

Mon Mar 22 07:57:05 2004

; MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/333,527  
; FILING DATE: Concurrently Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA: 60/089,322  
; APPLICATION NUMBER: 60/089,322  
; FILING DATE: June 15, 1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mary Anne Schofield  
; REGISTRATION NUMBER: 36,669  
; REFERENCE/DOCKET NUMBER: KL/JIC 202.1 - JEL  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 318-3000  
; TELEFAX: (212) 752-5958  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5  
; TYPE: amino acid  
; TOPOLOGY: linear  
; US-09-333-527-5

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGS 5  
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Db 1 GGGGS 5

## RESULT 11

US-09-925-796-8  
; Sequence 8, Application US/0925796  
; Patent No. US20020081614A1  
; GENERAL INFORMATION:  
; APPLICANT: Case, Casey C.  
; APPLICANT: Zhang, Lei  
; APPLICANT: Sangamo Biosciences, Inc.  
; TITLE OF INVENTION: Functional Genomics Using Zinc Finger Proteins  
; FILE REFERENCE: 019496-002000US  
; CURRENT APPLICATION NUMBER: US/09/925,796  
; CURRENT FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 09/395,448  
; PRIOR FILING DATE: 1999-09-14  
; PRIOR APPLICATION NUMBER: 09/229,037  
; PRIOR FILING DATE: 1999-01-12  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:linker  
; US-09-925-796-8

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGS 5  
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|  
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Db 1 GGGGS 5

## RESULT 12

US-09-815-837-116  
; Sequence 116, Application US/09815837  
; Patent No. US20020082411A1

; GENERAL INFORMATION:  
; APPLICANT: Carter, Darrick  
; APPLICANT: Zhu, Shirley  
; APPLICANT: Arimilli, Subhashini  
; APPLICANT: Wang, Aijun  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Immune Mediators and Related Methods  
; FILE REFERENCE: 014058-005670US  
; CURRENT APPLICATION NUMBER: US/09/815,837  
; CURRENT FILING DATE: 2001-03-22  
; PRIOR APPLICATION NUMBER: US 60/191,274  
; PRIOR FILING DATE: 2000-03-22  
; PRIOR APPLICATION NUMBER: US 60/204,249  
; PRIOR FILING DATE: 2000-05-15  
; PRIOR APPLICATION NUMBER: US 60/264,003  
; PRIOR FILING DATE: 2001-01-23  
; NUMBER OF SEQ ID NOS: 129  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 116  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:downstream  
; OTHER INFORMATION: linker for C0596  
; US-09-815-837-116

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGS 5  
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Db 1 GGGGS 5

## RESULT 13

US-09-033-525-5  
; Sequence 5, Application US/09033525  
; Patent No. US20020090374A1  
; GENERAL INFORMATION:  
; APPLICANT: Yarkoni, Shai  
; APPLICANT: Ben-Yehudah, Ahmi  
; APPLICANT: Azar, Yehudith  
; APPLICANT: Aguilan, Rami  
; APPLICANT: Belototsky, Ruth  
; APPLICANT: Lorberbaum-Galski, Haya  
; TITLE OF INVENTION: CHIMERIC PROTEINS WITH CELL-TARGETING  
; TITLE OF INVENTION: SPECIFICITY AND APOPTOSIS-INDUCING ACTIVITIES  
; FILE REFERENCE: 9457-009-999  
; CURRENT APPLICATION NUMBER: US/09/033,525  
; CURRENT FILING DATE: 1998-03-02  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Flexible polylinker  
; US-09-033-525-5

Query Match 100.0%; Score 28; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGS 5  
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Db 1 GGGGS 5

## RESULT 14

US-09-779-451-7

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; Sequence 7, Application US/09779451
; Patent No. US20020094521A1
; GENERAL INFORMATION:
; APPLICANT: Willd, Carl T.
; APPLICANT: Allaway, Graham P.
; TITLE OF INVENTION: Assay for Detection of Viral Fusion Inhibitors
; FILE REFERENCE: 1900.030003
; CURRENT APPLICATION NUMBER: US/09/779,451
; CURRENT FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: US 60/235,901
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/181,543
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: REPEAT
; LOCATION: (1)..(5)
; OTHER INFORMATION: (GGGGS)x, where x is 1, 2, 3, 4, or 5
; NAME/KEY: misc feature
; OTHER INFORMATION: Preferred amino acid residues
US-09-779-451-7
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Best Local Similarity 100.0%; Pred.No. 9.5e+05;
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QY 1 GGGGS 5
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Db 1 GGGGS 5
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; Patent No. US20020094529A1
; GENERAL INFORMATION:
; APPLICANT: Case, Casey C.
; APPLICANT: Urmov, Vyodor
; TITLE OF INVENTION: GENE IDENTIFICATION
; FILE REFERENCE: S7 US3 / 8325-0007.20
; CURRENT APPLICATION NUMBER: US/09/941,450
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: 09/395,448
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: linker
US-09-941-450-8
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Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GGGGS 5
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Db 1 GGGGS 5
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Job time : 4.39506 secs
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 Copyright (C) 1993 - 2004 CompuGen Ltd.  
 OW protein - protein search, using sw model  
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 (without alignments)  
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Title: US-10-057-890A-31  
 Perfect score: 884  
 Sequence: 1 MKVSVAAALSCMLVTLGSM.....GLNCCSSNRLDGHQVHAA 157

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

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 Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Published Applications AA:  
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 2: /cgn2\_6/ptodata/1/pubpaa/PTCT\_NEW\_PUB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	884	100.0	157	14	US-10-057-890A-31
2	797	90.2	138	14	US-10-057-890A-10
3	379	42.9	352	9	US-09-725-285-2
4	379	42.9	352	9	US-09-759-841-2
5	379	42.9	352	9	US-09-779-879A-22
6	379	42.9	352	9	US-09-779-880A-22
7	379	42.9	352	9	US-09-813-653-15
8	379	42.9	352	9	US-09-813-653-17
9	379	42.9	352	9	US-09-796-202-1
10	379	42.9	352	9	US-09-195-662A-2
11	379	42.9	352	9	US-09-339-912A-2
12	379	42.9	352	9	US-09-938-719-5
13	379	42.9	352	9	US-09-939-226-5
14	379	42.9	352	9	US-09-938-703-5
15	379	42.9	352	9	US-09-502-783A-2

16	379	42.9	352	10	US-09-734-221A-14	Sequence 14, Appl
17	379	42.9	352	11	US-09-826-509-477	Sequence 477, App
18	379	42.9	352	13	US-10-106-623-2	Sequence 2, Appl
19	379	42.9	352	14	US-10-232-686-2	Sequence 2, Appl
20	379	42.9	352	14	US-10-086-814-1	Sequence 1, Appl
21	379	42.9	352	14	US-10-067-800-22	Sequence 22, Appl
22	379	42.9	352	14	US-10-290-058A-6	Sequence 6, Appl
23	379	42.9	352	14	US-10-225-567A-352	Sequence 352, App
24	379	42.9	352	14	US-10-323-314-1	Sequence 1, Appl
25	379	42.9	352	14	US-10-072-301-1	Sequence 1, Appl
26	379	42.9	352	14	US-10-071-866-1	Sequence 22, Appl
27	379	42.9	352	14	US-10-135-839-22	Sequence 67, Appl
28	379	42.9	352	14	US-10-239-423-67	Sequence 4, Appl
29	379	42.9	352	14	US-10-439-845-4	Sequence 1, Appl
30	379	42.9	352	15	US-10-360-828-1	Sequence 52, Appl
31	374	42.3	352	14	US-10-164-649-52	Sequence 2, Appl
32	374	42.3	352	14	US-10-439-845-2	Sequence 2, Appl
33	373	42.2	352	9	US-09-779-879A-2	Sequence 2, Appl
34	373	42.2	352	9	US-09-779-880A-2	Sequence 2, Appl
35	373	42.2	352	14	US-10-067-800-2	Sequence 2, Appl
36	373	42.2	352	14	US-10-135-839-2	Sequence 20, Appl
37	363	41.1	352	13	US-09-938-719-4	Sequence 4, Appl
38	258	29.2	184	9	US-09-939-226-4	Sequence 4, Appl
39	258	29.2	184	9	US-09-938-703-4	Sequence 4, Appl
40	258	29.2	184	9	US-09-938-719-6	Sequence 6, Appl
41	258	29.2	215	9	US-09-939-226-6	Sequence 6, Appl
42	258	29.2	215	9	US-09-938-703-6	Sequence 6, Appl
43	258	29.2	215	9	US-09-938-703-6	Sequence 2, Appl
44	183.5	20.8	332	14	US-10-095-876A-2	Sequence 13, Appl
45	182	20.6	32	14	US-10-057-890A-13	

ALIGNMENTS

RESULT 1  
 US-10-057-890A-31  
 ; Sequence 31, Application US/10057890A  
 ; Publication No. US20030044901A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Coleman, Timothy  
 ; APPLICANT: Manfield, Brian  
 ; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, an  
 ; TITLE OF INVENTION: of Using the Same.  
 ; FILE REFERENCE: PE537  
 ; CURRENT APPLICATION NUMBER: US/10/057,890A  
 ; CURRENT FILING DATE: 2002-01-29  
 ; PRIOR APPLICATION NUMBER: 60/265,782  
 ; PRIOR FILING DATE: 2001-01-31  
 ; PRIOR APPLICATION NUMBER: 60/265,858  
 ; PRIOR FILING DATE: 2001-01-31  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SEQ ID NO 31  
 ; LENGTH: 157  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-057-890A-31

Query Match 100.0%; Score 884; DB 14; Length 157;  
 Best Local Similarity 100.0%; Pred. No. 1e-79;  
 Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 Db 61 DFGNTMCHQVHGHHSYKGLCTRSQKGLHYTCSHFFSYQYQFWKNTLKIQR 120  
 61 DFGNTMCHQVHGHHSYKGLCTRSQKGLHYTCSHFFSYQYQFWKNTLKIQR 120  
 QY 121 VHGGGGSYKGLCQEPFFGLNCCSSNRLDGHQVHAA 157  
 121 VHGGGGSYKGLCQEPFFGLNCCSSNRLDGHQVHAA 157  
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RESULT 2
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; Sequence 10, Application US/10057890A
; Publication No. US20030044901A1
; GENERAL INFORMATION:
; APPLICANT: Coleman, Timothy
; APPLICANT: Mansfield, Brian
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and
; FILE OF INVENTION: of Using the Same.
; FILE REFERENCE: PF637
; CURRENT APPLICATION NUMBER: US/10/057,890A
; PRIOR FILING DATE: 2002-01-29
; PRIOR FILING DATE: 2001-01-31
; PRIOR FILING DATE: 2001-01-31
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 10
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-057-890A-10

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Best Local Similarity 100.0%; Pred. No. 3.7e-71;
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QY      80 YKGLCTRSQKEGLHYTCSSHPYSQYQFQKNFQTLKIHQVHGGGSGYKGLCQEFPL 139
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QY      140 NNCSSNRLDGHQVHAA 157
DB      121 NNCSSNRLDGHQVHAA 138

RESULT 3
US-09-725-285-2
; Sequence 2, Application US/09725285
; Patent No. US20010000241A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGMR10
; FILE REFERENCE: 1488.1150003
; CURRENT APPLICATION NUMBER: US/09/725,285
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 09/339,912
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/195,662
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Artificial Sequence: Genomic
; FEATURE:
; OTHER INFORMATION: Deduced Amino Acid Sequence
US-09-725-285-2

Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY      20 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 49
DB      1 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 60

QY      50 -----YKCGLC-----AAAQWDFGNTMCQQRVHGHHSYKCG----- 83
DB      61 LKSMTDIYLLNLAIISDLFFLLTVFPFMAHYAAQWDFGNTMC--QLLTGLYFIFGFSGIFP 118

QY      84 -----LCTRSQKEGLHYTC 97
DB      119 IILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178

QY      98 SSHFPYSQYQFQKNFQTLK-----HORVHGG----- 124
DB      179 SSHFPYSQYQFQKNFQTLKIVILGLVPLLVNVCYSGLIKTLRCRNEKKRHAVALIF 238

QY      125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 154
DB      239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY      20 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 49
DB      1 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 60

QY      50 -----YKCGLC-----AAAQWDFGNTMCQQRVHGHHSYKCG----- 83
DB      61 LKSMTDIYLLNLAIISDLFFLLTVFPFMAHYAAQWDFGNTMC--QLLTGLYFIFGFSGIFP 118

QY      84 -----LCTRSQKEGLHYTC 97
DB      119 IILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178

QY      98 SSHFPYSQYQFQKNFQTLK-----HORVHGG----- 124
DB      179 SSHFPYSQYQFQKNFQTLKIVILGLVPLLVNVCYSGLIKTLRCRNEKKRHAVALIF 238

QY      125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 154
DB      239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

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QY      20 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 49
DB      1 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 60

QY      50 -----YKCGLC-----AAAQWDFGNTMCQQRVHGHHSYKCG----- 83
DB      61 LKSMTDIYLLNLAIISDLFFLLTVFPFMAHYAAQWDFGNTMC--QLLTGLYFIFGFSGIFP 118

QY      84 -----LCTRSQKEGLHYTC 97
DB      119 IILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178

QY      98 SSHFPYSQYQFQKNFQTLK-----HORVHGG----- 124
DB      179 SSHFPYSQYQFQKNFQTLKIVILGLVPLLVNVCYSGLIKTLRCRNEKKRHAVALIF 238

QY      125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 154
DB      239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

RESULT 4
US-09-759-841-2
; Sequence 2, Application US/09759841
; Patent No. US20010039026A1
; GENERAL INFORMATION:
; APPLICANT: Rickett, Graham A
; APPLICANT: Dobbs, Susan
; APPLICANT: Perros, Manoussos
; TITLE OF INVENTION: Assay Method
; FILE REFERENCE: PCI0348APME
; CURRENT APPLICATION NUMBER: US/09/759,841
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: GB 0000661.9
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: GB 0000663.5
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: GB 0000659.3
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-841-2

Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY      20 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 49
DB      1 MDYQVSSPIYDINYYTSEPCQKINVKQIAAAYKCGLCGCAAAQWDFGNTMCQQRVHGHHSYKCG 60

QY      50 -----YKCGLC-----AAAQWDFGNTMCQQRVHGHHSYKCG----- 83
DB      61 LKSMTDIYLLNLAIISDLFFLLTVFPFMAHYAAQWDFGNTMC--QLLTGLYFIFGFSGIFP 118

QY      84 -----LCTRSQKEGLHYTC 97
DB      119 IILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178

QY      98 SSHFPYSQYQFQKNFQTLK-----HORVHGG----- 124
DB      179 SSHFPYSQYQFQKNFQTLKIVILGLVPLLVNVCYSGLIKTLRCRNEKKRHAVALIF 238

QY      125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 154
DB      239 TIMIVYFLFWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

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## RESULT 5

US-09-779-879A-22  
; Sequence 22, Application US/09779879A  
; Patent No. US20020048786A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGMR10  
; FILE REFERENCE: 1488.115000A  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/181,258  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/187,999  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/234,336  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-879A-22

## Query Match 42.9%; Score 379; DB 9; Length 352;

Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQSSPIYDINTYSEPCQKINVKQIAA----- 49  
DB 1 MDYQSSPIYDINTYSEPCQKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60  
QY 50 -----YKGLC-----AAAQWDFGNMCOHQVHGHHSYKCG--- 83  
DB 61 LKSMTDIYLLNLAISDLFFLLTPFWAHYAAAQWDFGNMTC--QLLTGLYFIFFSGIFF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
DB 119 IILLTIDRYLAVHVAHFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYSQYQWKNFQTLKI-----HORVHGG----- 124  
DB 179 SSHFPYSQYQWKNFQTLKIIVILGLVPLLVWICYSGILKTLRCNEKKRHRAVRLIF 238  
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154  
DB 239 TIMIVYFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQMQV 281  
RESULT 6  
US-09-779-880A-22  
; Sequence 22, Application US/09779880A  
; Patent No. US20020061834A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCR5) HDGMR10  
; FILE REFERENCE: 1488.115000C  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/181,258  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR APPLICATION NUMBER: US 60/187,999  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/234,336  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-880A-22

## Query Match 42.9%; Score 379; DB 9; Length 352;

Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQSSPIYDINTYSEPCQKINVKQIAA----- 49  
DB 1 MDYQSSPIYDINTYSEPCQKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60  
QY 50 -----YKGLC-----AAAQWDFGNMCOHQVHGHHSYKCG--- 83  
DB 61 LKSMTDIYLLNLAISDLFFLLTPFWAHYAAAQWDFGNMTC--QLLTGLYFIFFSGIFF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
DB 119 IILLTIDRYLAVHVAHFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYSQYQWKNFQTLKI-----HORVHGG----- 124  
DB 179 SSHFPYSQYQWKNFQTLKIIVILGLVPLLVWICYSGILKTLRCNEKKRHRAVRLIF 238  
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154  
DB 239 TIMIVYFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQMQV 281  
RESULT 7  
US-09-813-653-15  
; Sequence 15, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR FILING DATE: 2000-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,946  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/190,996  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,299  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 15  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-15

## Query Match 42.9%; Score 379; DB 9; Length 352;

Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQSSPIYDINTYSEPCQKINVKQIAA----- 49  
DB 1 MDYQSSPIYDINTYSEPCQKINVKQIAARLLPPLYSLVFIFGVGNMVLILLINCKR 60  
QY 50 -----YKGLC-----AAAQWDFGNMCOHQVHGHHSYKCG--- 83  
DB 61 LKSMTDIYLLNLAISDLFFLLTPFWAHYAAAQWDFGNMTC--QLLTGLYFIFFSGIFF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
DB 119 IILLTIDRYLAVHVAHFALKARTVTFGVVTSVITWVAVFASLPGLIIFTRSQKEGLHYTC 178

QY 98 SSHPYQYQFQKQFQTLKI-----HQRVHGG-----124  
Db 179 SSHPYQYQFQKQFQTLKIIVGLVPLVWVTCYSGILKTLRCRNEKRRHRAVLIF 238  
QY 125 -----GSGYKGLC-----QEFFGLNCCSSNRDLGHQV 154  
Db 239 TIMIVFLWAPYINVLNTLNTFQEFFGLNCCSSNRDLQAMQV 281

## RESULT 8

US-09-813-653-17  
; Sequence 17, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT APPLICATION NUMBER: US/09/813,653  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,946  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/190,996  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,299  
; PRIOR FILING DATE: 2000-03-21  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 17  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-17

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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Db 1 MDYQVSSPIYDINYTSPCKINVKQIAARLLPPLYSLVFIQFVGNMVLILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQHVVHGHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFFLLTVPFWAHYAAQMDFGNTMC--QLTGLYIFGFSGIFF 118  
QY 84 -----LCTRSQKGLHYTC 97  
Db 119 ILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178  
QY 98 SSHPYQYQFQKQFQTLKI-----HQRVHGG-----124  
Db 179 SSHPYQYQFQKQFQTLKIIVGLVPLVWVTCYSGILKTLRCRNEKRRHRAVLIF 238  
QY 125 -----GSGYKGLC-----QEFFGLNCCSSNRDLGHQV 154  
Db 239 TIMIVFLWAPYINVLNTLNTFQEFFGLNCCSSNRDLQAMQV 281

## RESULT 9

US-09-796-202-1  
; Sequence 1, Application US/09796202  
; Patent No. US20020068913A1  
; GENERAL INFORMATION:  
; APPLICANT: Dragic, Tatjana  
; APPLICANT: Olson, William  
; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION  
; FILE REFERENCE: 2049/61010/JPW/SHS  
; CURRENT APPLICATION NUMBER: US/09/796,202  
; CURRENT FILING DATE: 2001-02-28

; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: human  
US-09-796-202-1  
Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
QY 20 MDYQVSSPIYDINYTSPCKINVKQIAA-----HQRVHGG-----49  
Db 1 MDYQVSSPIYDINYTSPCKINVKQIAARLLPPLYSLVFIQFVGNMVLILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQHVVHGHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFFLLTVPFWAHYAAQMDFGNTMC--QLTGLYIFGFSGIFF 118  
QY 84 -----LCTRSQKGLHYTC 97  
Db 119 ILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178  
QY 98 SSHPYQYQFQKQFQTLKI-----HQRVHGG-----124  
Db 179 SSHPYQYQFQKQFQTLKIIVGLVPLVWVTCYSGILKTLRCRNEKRRHRAVLIF 238  
QY 125 -----GSGYKGLC-----QEFFGLNCCSSNRDLGHQV 154  
Db 239 TIMIVFLWAPYINVLNTLNTFQEFFGLNCCSSNRDLQAMQV 281

## RESULT 10

US-09-195-662A-2  
; Sequence 2, Application US/09195662A  
; Patent No. US20020076745A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor HDGNR10 (CCR5 Receptor)  
; FILE REFERENCE: 1488.1150002  
; CURRENT APPLICATION NUMBER: US/09/195,662A  
; CURRENT FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; FEATURE:  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-195-662A-2

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
QY 20 MDYQVSSPIYDINYTSPCKINVKQIAA-----HQRVHGG-----49  
Db 1 MDYQVSSPIYDINYTSPCKINVKQIAARLLPPLYSLVFIQFVGNMVLILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQHVVHGHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFFLLTVPFWAHYAAQMDFGNTMC--QLTGLYIFGFSGIFF 118  
QY 84 -----LCTRSQKGLHYTC 97  
Db 119 ILLTIDRYLAVVHAFALKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178  
QY 98 SSHPYQYQFQKQFQTLKI-----HQRVHGG-----124



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; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/938,719
; FILING DATE: 24-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 27-JULY-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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US-09-938-719--5
;
Query Match 42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQVSSPIYDINYTSPOCKINVKQIAA----- 49
DB 1 MDYQVSSPIYDINYTSPOCKINVKQIAARLLPPIYSLVTFIFGVGNMVLILLINCKR 60
QY 50 -----YKCGLC-----AAAQWDFGNTWCQQRVHGHHHSYKCG-- 83
DB 61 LKSMTDIYLLNLAISDLFLLITVPFWAHVAAQWDFGNTWC--QLLTGLYFIFGFSGIFF 118
QY 84 ----- 124
DB 119 IILLTDIYLVAVHVAIFALKARTVTFGVVTSVITWVAVFASLPGLIIFTSQKEGLHYTC 178
QY 98 SSHPPYQYQFQWKNFQTLKI-----LCTRSQKEGLHYTC 97
DB 179 SSHPPYQYQFQWKNFQTLKIVILGLVPLLVWVICYSGILKTLILCRNEKKHRAVLIF 238
QY 125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHRV 154
DB 239 TIMIVLEFWAPYNIYVILLNTFOEFFGLNCCSSNRLDQMOV 281

RESULT 13
US-09-939-226-5
; Sequence 5, Application US/09939226
; Patent No. US20020110805A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; PARMENTIER, MARC
; VASSART, GILBERT
; LIBERT, FREDERICK
;
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
;
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.

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; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/939,226
; FILING DATE: 24-Aug-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 2000-07-27
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-939-226-5

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Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

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QY 50 -----YKGLC-----AAQWDFGNTMCQHQHVGHHSYKCG--- 83
DB 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLTGLYIFGFSGI 118
QY 84 -----LCTRSQKGLHYTC 97
DB 119 IILLTDIYLVAVHAFKARTVTFGWVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178
QY 98 SSHPFSYQYQFKNFTLKI-----HQRVHG----- 124
DB 179 SSHPFSYQYQFKNFTLKIIVGLVPLLVWVICYGLKTLRCRNEKGRHRAVLIF 238
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154
DB 239 TIMIVYFLWAPNIVLLNTFQEFFGLNCCSSNRLDQMQV 281

RESULT 14
US-09-938-703-5
; Sequence 5, Application US/09938703
; Patent No. US20020110870A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; PARMENTIER, MARC
; VASSART, GILBERT
; LIBERT, FREDERICK
;
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
;
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/938,703
; FILING DATE: 24-Aug-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 2000-07-27
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-938-703-5

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Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQVSSPIVDINYTSBPCOKINVKQIAA----- 49
DB 1 MDYQVSSPIVDINYTSBPCOKINVKQIAARLLPLLYSLVIFGVGNMLVILLINCKR 60
QY 50 -----YKGLC-----AAQWDFGNTMCQHQHVGHHSYKCG--- 83
DB 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLTGLYIFGFSGI 118
QY 84 -----LCTRSQKGLHYTC 97
DB 119 IILLTDIYLVAVHAFKARTVTFGWVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178
QY 98 SSHPFSYQYQFKNFTLKI-----HQRVHG----- 124
DB 179 SSHPFSYQYQFKNFTLKIIVGLVPLLVWVICYGLKTLRCRNEKGRHRAVLIF 238
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154
DB 239 TIMIVYFLWAPNIVLLNTFQEFFGLNCCSSNRLDQMQV 281

RESULT 15
US-09-502-783A-2
; Sequence 2, Application US/09502783A
; Patent No. US20020132269A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein Chemokine Receptor (CCR:
; FILE REFERENCE: 1488.1150006
; CURRENT APPLICATION NUMBER: US/09/502,783A
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-783A-2

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Query Match      42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQVSSPIVDINYTSBPCOKINVKQIAA----- 49
DB 1 MDYQVSSPIVDINYTSBPCOKINVKQIAARLLPLLYSLVIFGVGNMLVILLINCKR 60
QY 50 -----YKGLC-----AAQWDFGNTMCQHQHVGHHSYKCG--- 83
DB 61 LKSMTDIYLLNLAISSLDFLLTPVFWAHYAAQWDFGNTMC--QLTGLYIFGFSGI 118
QY 84 -----LCTRSQKGLHYTC 97
DB 119 IILLTDIYLVAVHAFKARTVTFGWVTSVITWVAVFASLPGLIFTRSQKGLHYTC 178
QY 98 SSHPFSYQYQFKNFTLKI-----HQRVHG----- 124
DB 179 SSHPFSYQYQFKNFTLKIIVGLVPLLVWVICYGLKTLRCRNEKGRHRAVLIF 238
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154
DB 239 TIMIVYFLWAPNIVLLNTFQEFFGLNCCSSNRLDQMQV 281

RESULT 15
US-09-502-783A-2
; Sequence 2, Application US/09502783A
; Patent No. US20020132269A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein Chemokine Receptor (CCR:
; FILE REFERENCE: 1488.1150006
; CURRENT APPLICATION NUMBER: US/09/502,783A
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-502-783A-2

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QY 20 MDYQVSSPIYDINYTSEPCKINVKQIAA----- 49
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QY 50 -----YKCGLC-----AAAQWDFGNTMCQORVHGHHHSYKCG--- 83
Db 61 LKGMTDIYLLNLAISDLFFLLTPFWAHYAAAQWDFGNTMC--QLLTGLYFIFGFFSIF 118
QY 84 -----LCTRSQKEGLHYTC 97
Db 119 ILLTTDRYLAUVHAFALKARTVTEGVVTSVITVVAVFASLPGIIFTRSQKEGLHYTC 178
QY 98 SSHFPYSQYQFWKXFTLKI-----HORVHGG----- 124
Db 179 SSHFPYSQYQFWKXFTLKIIVILGLVLPILYVVICYSIGILKTLRCRNEKRRHVRLLIF 238
QY 125 -----GGSYKCGLC-----QEPFGLNCCSSNRLDGHRV 154
Db 239 TIMIVYFLEWAFYINIVLLNTFOEFFGLNCCSSNRLDQAMQV 281

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Search completed: March 18, 2004, 00:55:15  
Job time : 107.605 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 18, 2004, 00:46:12 ; Search time 106.605 seconds  
(without alignments)  
379.130 Million cell updates/sec

Title: US-10-057-890A-31  
Perfect score: 884  
Sequence: 1 MKVSVAAALSCMLVLTALGSM.....GLNCCSSNRDLGQHVHAA 157

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	884	100.0	157	14	US-10-057-890A-31
2	797	90.2	138	14	Sequence 31, Appl
3	379	42.9	352	9	US-10-057-890A-10
4	379	42.9	352	9	Sequence 2, Appl
5	379	42.9	352	9	Sequence 2, Appl
6	379	42.9	352	9	Sequence 22, Appl
7	379	42.9	352	9	Sequence 22, Appl
8	379	42.9	352	9	Sequence 15, Appl
9	379	42.9	352	9	Sequence 17, Appl
10	379	42.9	352	9	Sequence 1, Appl
11	379	42.9	352	9	Sequence 1, Appl
12	379	42.9	352	9	Sequence 5, Appl
13	379	42.9	352	9	Sequence 5, Appl
14	379	42.9	352	9	Sequence 5, Appl
15	379	42.9	352	9	Sequence 2, Appl

16	379	42.9	352	10	US-09-734-221A-14
17	379	42.9	352	11	US-09-826-509-477
18	379	42.9	352	13	US-10-106-623-2
19	379	42.9	352	14	US-10-232-686-2
20	379	42.9	352	14	US-10-086-814-1
21	379	42.9	352	14	US-10-067-800-22
22	379	42.9	352	14	US-10-290-058A-6
23	379	42.9	352	14	US-10-225-567A-352
24	379	42.9	352	14	US-10-323-314-1
25	379	42.9	352	14	US-10-072-301-1
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27	379	42.9	352	14	US-10-135-839-22
28	379	42.9	352	14	US-10-233-423-67
29	379	42.9	352	14	US-10-433-845-4
30	379	42.9	352	15	US-10-360-828-1
31	374	42.3	352	14	US-10-164-649-52
32	374	42.3	352	14	US-10-439-845-2
33	373	42.2	352	9	US-09-779-879A-2
34	373	42.2	352	9	US-09-779-880A-2
35	373	42.2	352	14	US-10-067-800-2
36	373	42.2	352	14	US-10-135-839-2
37	363	41.1	352	13	US-10-106-623-20
38	258	29.2	184	9	US-09-938-719-4
39	258	29.2	184	9	US-09-939-226-4
40	258	29.2	184	9	US-09-938-703-4
41	258	29.2	215	9	US-09-938-719-6
42	258	29.2	215	9	US-09-939-226-6
43	258	29.2	215	9	US-09-938-703-6
44	181.5	20.8	332	14	US-10-095-876A-2
45	182	20.6	32	14	US-10-057-890A-13

## ALIGNMENTS

### RESULT 1

US-10-057-890A-31  
; Sequence 31, Application US/10057890A  
; Publication No. US20030044901A1  
; GENERAL INFORMATION:  
; APPLICANT: Coleman, Timothy  
; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same,  
; FILE REFERENCE: PFS37  
; CURRENT APPLICATION NUMBER: US/10/057,890A  
; PRIOR FILING DATE: 2002-01-29  
; PRIOR APPLICATION NUMBER: 60/265,782  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,858  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 32  
; SEQ ID NO 31  
; LENGTH: 157  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
US-10-057-890A-31

Query Match	100.0%	Score 884;	DB 14;	Length 157;
Best Local Similarity	100.0%	Pred. No. 1e-79;		
Matches 157;	Conservative 0;	Mismatches 0;	Gaps 0;	
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Db	1	MKVSVAAALSCMLVLTALGSMYQVSSPIYDINYYTSEPCOKINVKQIAAYKCGLCARQW	60	
QY	61	DFGNTWCQHQHVHGHHSYKCGLCSTRSQKGLHYTCSSHHFFYSQYQWKNFQTLKHOR	120	
Db	61	DFGNTWCQHQHVHGHHSYKCGLCSTRSQKGLHYTCSSHHFFYSQYQWKNFQTLKHOR	120	
QY	121	VHGGGSKYKGLCOEFPFLNCCSSNRDLGQHVHAA	157	
Db	121	VHGGGSKYKGLCOEFPFLNCCSSNRDLGQHVHAA	157	

## RESULT 2

US-10-057-890A-10  
 ; Sequence 10, Application US/10057890A  
 ; Publication No. US20030044901A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Coleman, Timothy  
 ; TITLE OF INVENTION: Scaffold Fusion Polypeptides, Composition for Making the Same, and  
 ; TITLE OF INVENTION: of Using the Same.  
 ; FILE REFERENCE: PF537  
 ; CURRENT APPLICATION NUMBER: US/10/057,890A  
 ; PRIOR FILING DATE: 2002-01-29  
 ; PRIOR APPLICATION NUMBER: 60/265,782  
 ; PRIOR FILING DATE: 2001-01-31  
 ; PRIOR APPLICATION NUMBER: 60/265,858  
 ; PRIOR FILING DATE: 2001-01-31  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SEQ ID NO 10  
 ; LENGTH: 138  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-057-890A-10

Query Match 90.2%; Score 797; DB 14; Length 138;  
 Best Local Similarity 100.0%; Pred. No. 3.7e-71;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 MDYQVSSPIYDINYYTSEPCQKINVKQIAA---LCTRSQKEGLHYTC 79  
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 QY 80 YKGLCTRSQKEGLHYTCSSHPYSQYQFWKNFQTLKHORVHGGGSGYKGLCQEFFGL 139  
 Db 61 YKGLCTRSQKEGLHYTCSSHPYSQYQFWKNFQTLKHORVHGGGSGYKGLCQEFFGL 120  
 QY 140 NNCSSNRLDGHQRVHAA 157  
 Db 121 NNCSSNRLDGHQRVHAA 138

## RESULT 3

US-09-725-285-2  
 ; Sequence 2, Application US/09725285  
 ; Patent No. US20010000241A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Li, Yi  
 ; APPLICANT: Ruben, Steven, M.  
 ; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10  
 ; TITLE OF INVENTION: (CCR5 Receptor)  
 ; FILE REFERENCE: 1488.1150003  
 ; CURRENT APPLICATION NUMBER: US/09/725,285  
 ; PRIOR FILING DATE: 2000-11-29  
 ; PRIOR APPLICATION NUMBER: 09/339,912  
 ; PRIOR FILING DATE: 1999-06-25  
 ; PRIOR APPLICATION NUMBER: 09/195,662  
 ; PRIOR FILING DATE: 1998-11-18  
 ; PRIOR APPLICATION NUMBER: 08/466,343  
 ; PRIOR FILING DATE: 1995-06-06  
 ; NUMBER OF SEQ ID NOS: 9  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 2  
 ; LENGTH: 352  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence: Genomic  
 ; FEATURE:  
 ; OTHER INFORMATION: Deduced Amino Acid Sequence  
 US-09-725-285-2

Query Match 42.9%; Score 379; DB 9; Length 352;  
 Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
 Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

QY 20 MDYQVSSPIYDINYYTSEPCQKINVKQIAA---LCTRSQKEGLHYTC 49  
 Db 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA---LCTRSQKEGLHYTC 60  
 QY 50 -----YKGLC-----AAAQWDFGNTMCQHQHGVHGHHSYKCG--- 83  
 Db 61 LKSMWDIYLLNLALISDLFFLLTPFWAHYAAAQWDFGNTMC---QLLTGLYFIFFSGIFF 118  
 QY 84 -----LCTRSQKEGLHYTC 97  
 Db 119 IILLTDIYLAHVAVFALKARTVTGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
 QY 98 SSHFPYSQYQFWKNFQTLK-----HQRVGG----- 124  
 Db 179 SSHFPYSQYQFWKNFQTLKIVILGLVPLVWVICYSGILKTLTLRCRNEKRRHRAVELIF 238  
 QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQRV 154  
 Db 239 TIMIVYFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

## RESULT 4

US-09-759-841-2  
 ; Sequence 2, Application US/09759841  
 ; Patent No. US20010039026A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rickett, Graham A  
 ; APPLICANT: Dobbs, Susan  
 ; APPLICANT: Perros, Manousos  
 ; TITLE OF INVENTION: Assay Method  
 ; FILE REFERENCE: PC10348APME  
 ; CURRENT APPLICATION NUMBER: US/09/759,841  
 ; CURRENT FILING DATE: 2001-01-12  
 ; PRIOR APPLICATION NUMBER: GB 0000661.9  
 ; PRIOR FILING DATE: 2000-01-12  
 ; PRIOR APPLICATION NUMBER: GB 0000663.5  
 ; PRIOR FILING DATE: 2000-01-12  
 ; PRIOR APPLICATION NUMBER: GB 0000659.3  
 ; PRIOR FILING DATE: 2000-01-12  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 352  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-759-841-2

Query Match 42.9%; Score 379; DB 9; Length 352;  
 Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
 Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;

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 Db 1 MDYQVSSPIYDINYYTSEPCQKINVKQIAA---LCTRSQKEGLHYTC 60  
 QY 50 -----YKGLC-----AAAQWDFGNTMCQHQHGVHGHHSYKCG--- 83  
 Db 61 LKSMWDIYLLNLALISDLFFLLTPFWAHYAAAQWDFGNTMC---QLLTGLYFIFFSGIFF 118  
 QY 84 -----LCTRSQKEGLHYTC 97  
 Db 119 IILLTDIYLAHVAVFALKARTVTGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
 QY 98 SSHFPYSQYQFWKNFQTLK-----HQRVGG----- 124  
 Db 179 SSHFPYSQYQFWKNFQTLKIVILGLVPLVWVICYSGILKTLTLRCRNEKRRHRAVELIF 238  
 QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQRV 154  
 Db 239 TIMIVYFLWAPYINIVLLNTFQEFFGLNCCSSNRLDQAMQV 281

## RESULT 5

US-09-779-879A-22  
; Sequence 22, Application US/09779879A  
; Patent No. US20020048786A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRS) HDGNR10  
; FILE REFERENCE: 1488.115000A  
; CURRENT APPLICATION NUMBER: US/09/779,879A  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR FILING DATE: 2000-03-09  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-879A-22

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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Db 1 MDYQVSSPIVDIYNTSEPCQKINVKQIAARLLPLYSILVIFGVGNMLVILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQVGHGHHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFLLTVFPFVAHYAAQMDFGNTMC--QLLTGLYIFGFSGIF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLLAVHAFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYSQYQFWKNFQTLKI-----HORVHG-----124  
Db 179 SSHFPYSQYQFWKNFQTLKIIVGLVPLLVWVICYGILKTLRCRNEKRRHRAVLIF 238  
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154  
Db 239 TIMIVYFLWAPYNTVILLNTFQEFFGLNCCSSNRLDQAMQV 281

## RESULT 6

US-09-779-880A-22  
; Sequence 22, Application US/09779880A  
; Patent No. US20020061834A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Roschke, Viktor  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-protein Chemokine Receptor (CCRS) HDGNR10  
; FILE REFERENCE: 1488.115000C  
; CURRENT APPLICATION NUMBER: US/09/779,880A  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR FILING DATE: 2000-02-09  
; PRIOR FILING DATE: 2000-03-09  
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; PRIOR FILING DATE: 2000-03-09  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: Patent in version 3.0

; SEQ ID NO 22  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-779-880A-22

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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Db 1 MDYQVSSPIVDIYNTSEPCQKINVKQIAARLLPLYSILVIFGVGNMLVILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQVGHGHHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFLLTVFPFVAHYAAQMDFGNTMC--QLLTGLYIFGFSGIF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLLAVHAFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYSQYQFWKNFQTLKI-----HORVHG-----124  
Db 179 SSHFPYSQYQFWKNFQTLKIIVGLVPLLVWVICYGILKTLRCRNEKRRHRAVLIF 238  
QY 125 -----GGSYKGLC-----QEFFGLNCCSSNRLDGHQV 154  
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RESULT 7  
US-09-813-653-15  
; Sequence 15, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT APPLICATION NUMBER: US/09/813,653  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR FILING DATE: 2000-03-21  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 15  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-15

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
QY 20 MDYQVSSPIVDIYNTSEPCQKINVKQIAA-----49  
Db 1 MDYQVSSPIVDIYNTSEPCQKINVKQIAARLLPLYSILVIFGVGNMLVILINCKR 60  
QY 50 -----YKGLC-----AAQMDFGNTMCOHQVGHGHHHSYKCG---83  
Db 61 LKSMTDIYLLNLAIISDLFLLTVFPFVAHYAAQMDFGNTMC--QLLTGLYIFGFSGIF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLLAVHAFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178

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Db 179 SSHFPYQYQFKNFOTLKIIVGLVPLVMVTCYSGILKTLRCRNEKRRHRAVRLIF 238  
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Db 239 TIMVYVFLWAPYINVLNTFOEFFGLNCGSSNRLDQAMQV 281

RESULT 8  
US-09-813-653-17  
; Sequence 17, Application US/09813653  
; Patent No. US20020064770A1  
; GENERAL INFORMATION:  
; APPLICANT: Nestor, John  
; APPLICANT: Wilson, Carol  
; APPLICANT: See, Raymond  
; APPLICANT: Tan Hehir, Christina  
; TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds  
; FILE REFERENCE: CNS-005  
; CURRENT APPLICATION NUMBER: US/09/813,653  
; CURRENT FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: US 60/190,946  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/190,996  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,299  
; PRIOR FILING DATE: 2000-03-21  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 17  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-17

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
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QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLVAVHAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYQYQFKNFOTLKI-----HORVHG----- 124  
Db 179 SSHFPYQYQFKNFOTLKIIVGLVPLVMVTCYSGILKTLRCRNEKRRHRAVRLIF 238  
QY 125 -----GSKYKGLC-----QEFFGLNCGSSNRLDGHQV 154  
Db 239 TIMVYVFLWAPYINVLNTFOEFFGLNCGSSNRLDQAMQV 281

RESULT 9  
US-09-796-202-1  
; Sequence 1, Application US/09796202  
; Patent No. US2002006813A1  
; GENERAL INFORMATION:  
; APPLICANT: Dragic, Tatjana  
; APPLICANT: Olson, William  
; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION  
; FILE REFERENCE: 2048/61010/3PW/SHS  
; CURRENT APPLICATION NUMBER: US/09/796,202  
; CURRENT FILING DATE: 2001-02-28

; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 1  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: human  
US-09-796-202-1  
Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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QY 50 -----YKCGLC-----AAAQWDFGNTMCOHQRVHGHHSYKCG--- 83  
Db 61 LKSMTDIYLLNLAIISDLFLLTPVFWAHYAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLVAVHAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYQYQFKNFOTLKI-----HORVHG----- 124  
Db 179 SSHFPYQYQFKNFOTLKIIVGLVPLVMVTCYSGILKTLRCRNEKRRHRAVRLIF 238  
QY 125 -----GSKYKGLC-----QEFFGLNCGSSNRLDGHQV 154  
Db 239 TIMVYVFLWAPYINVLNTFOEFFGLNCGSSNRLDQAMQV 281

RESULT 10  
US-09-195-662A-2  
; Sequence 2, Application US/09195662A  
; Patent No. US20020076745A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Human G-Protein Chemokine Receptor HDGMR10 (CCRS Receptor)  
; FILE REFERENCE: 1488.1150002  
; CURRENT APPLICATION NUMBER: US/09/195,662A  
; CURRENT FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; FEATURE:  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-195-662A-2

Query Match 42.9%; Score 379; DB 9; Length 352;  
Best Local Similarity 35.0%; Pred. No. 2.4e-29;  
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;  
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QY 50 -----YKCGLC-----AAAQWDFGNTMCOHQRVHGHHSYKCG--- 83  
Db 61 LKSMTDIYLLNLAIISDLFLLTPVFWAHYAAQWDFGNTMC--QLLTGLYFIFGSGIFF 118  
QY 84 -----LCTRSQKEGLHYTC 97  
Db 119 IILLTDIYLVAVHAFALKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKEGLHYTC 178  
QY 98 SSHFPYQYQFKNFOTLKI-----HORVHG----- 124

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Db 239 TIMVYFLWAPYNIVLLNTFQEFFGLNCCSSNRLDQAMQV 281
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RESULT 11
US-09-339-912A-2
; Sequence 2, Application US/09339912A
; Patent No. US20020099176A1
; GENERAL INFORMATION:
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven, M.
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10
; FILE REFERENCE: 1488.1150003
; CURRENT APPLICATION NUMBER: US/09/339,912A
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/195,662
; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 08/466,343
; PRIOR FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 2
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Artificial Sequence: Genomic
; FEATURE:
; OTHER INFORMATION: Deduced Amino Acid Sequence
US-09-339-912A-2
Query Match 42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;
QY 20 MDYQSSPIYDINYYTSEPCQKINVKQIAA----- 49
Db 1 MDYQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSLVIFGVGNMLVILINCKR 60
QY 50 -----YKCGLC-----AAAQWDFGNTMCOHQRVGHGHHHSYKCG--- 83
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QY 84 ----- 124
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QY 98 SSSFPYQYQFKNFQTLKIVILGLVPLLVWVCYSGILKTLRCNEKKRHRAVLIF 238
Db 179 SSSFPYQYQFKNFQTLKIVILGLVPLLVWVCYSGILKTLRCNEKKRHRAVLIF 238
QY 125 -----GGSYKCGLC-----QEFFGLNCCSSNRLDGHQV 154
Db 239 TIMVYFLWAPYNIVLLNTFQEFFGLNCCSSNRLDQAMQV 281
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RESULT 12
US-09-338-719-5
; Sequence 5, Application US/09938719
; Patent No. US20020106742A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARMENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
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; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/938,719
; FILING DATE: 24-AUG-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/626,939
; FILING DATE: 27-JULY-2000
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-938-719-5
Query Match 42.9%; Score 379; DB 9; Length 352;
Best Local Similarity 35.0%; Pred. No. 2.4e-29;
Matches 99; Conservative 7; Mismatches 27; Indels 150; Gaps 7;
QY 20 MDYQSSPIYDINYYTSEPCQKINVKQIAA----- 49
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Db 61 LKSMTDIYLLNLALSDLLFLLVPFWAHYAAQWDFGNTMC--QLLTGLYFIFGFSGIF 118
QY 84 ----- 124
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QY 98 SSSFPYQYQFKNFQTLKIVILGLVPLLVWVCYSGILKTLRCNEKKRHRAVLIF 238
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RESULT 13
US-09-939-226-5
; Sequence 5, Application US/09939226
; Patent No. US20020110805A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARMENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
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Db 1 MDQVSSPIYDINYTSEPCQKINVKQIAARLLPPLYSLVFIFGFVGNMLVILLINCKR 60
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Db 179 SSHPPYSQYQFWKQFQIKIIVILGLVPLLVWVICYSGILKTLRCRNEKKRRAVLIF 238
Qy 125 -----GGSYKGLC---OERFGLNCCSSNRDLGHQRY 154
Db 239 TIMVYFLWAPYINIVLLNTFQEFFGLNCCSSNRDLQAMQV 281

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